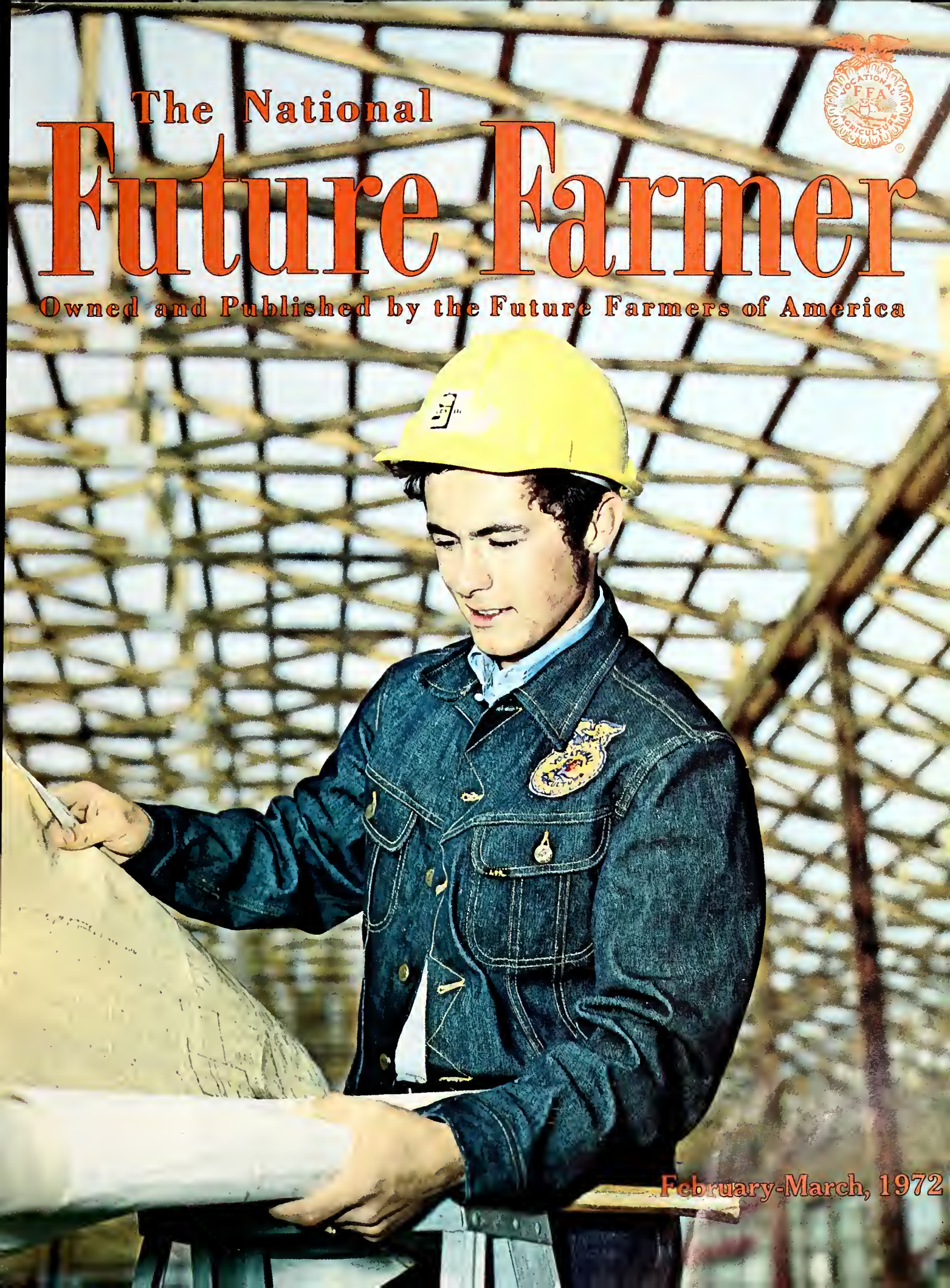

The National Future Farmer

Owned and Published by the Future Farmers of America

February-March, 1972

we're proud of Vernon Rohrscheib

and Timothy Edgecomb, John Sims, Scott Hamlin

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The National
Future Farmer

VOLUME 20 NUMBER 3 FEBRUARY-MARCH 1972

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Our Cover

Agriculture offers many young men the opportunity for a career involving farm structures—farming, carpentry, sales and service, engineering, and product utilization to name a few. Here Rick Crawford, a Freshman at Ohio State University, helps construct a pole barn for use as a dairy housing unit at the university. Rick is a member of the West Union, Ohio, FFA which is under the direction of Advisor Scott Rigdon.

Photo by Rolph Woodin

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Leslie Applegate
First National President

LESLIE Applegate, the first national president of FFA, and a prominent apple producer at Freehold, New Jersey, died December 19, in Florida, where he had moved a few years ago after retirement.

Mr. Applegate never tried to capitalize on the unique position he held in FFA history. Instead, he preferred to remain out of the limelight and operate his highly successful apple producing operation.

"The boys selected a real farmer for the president . . ." is the way one writer described him shortly after his election in 1928. Later, his state FFA advisor Mr. H. O. Sampson was to say in a magazine article, "The boy's chief agricultural interest is apple growing . . . ride about the farm with him and he talks of spraying, top working, cover cropping, disking, varieties, color of fruit and the like."

Mr. Applegate was the son of an apple grower, and shortly after finishing high school he joined the partnership with his father and older brother. His father died soon thereafter leaving the operation to the two sons. The farm was described as being "completely motorized" and comprises some 425 acres. Production was 30,000 bushels of apples. Mr. Applegate's son continues to run the farm today.

A later photo of Applegate, right, with his agriculture instructor, Mr. Earle Stillwell.

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Looking Ahead

Livestock

CITRUS PELLETS—Citrus pulp pellets, a new livestock feed developed by I. S. Joseph Company, Minneapolis, Minnesota, earned for the company the Presidential "E-Star" award for export achievement. The award recognizes the firm's activities in developing the feed ingredient for European and Japanese markets. The citrus pulp is processed and pelleted in Tampa, Florida, where Donald F. Kieffer, a holder of the Minnesota State Farmer degree, is division manager. The Joseph Company received an "E" award in 1966 for marketing and exporting sugar beet pulp pellets.

DAIRY CONSOLIDATION—Dairy farms, dairy cooperatives, federal milk orders and dairy processing plants will decline by about half in the 70's, but will approximately double in size, according to Truman Graf, University of Wisconsin agricultural economist. In addition, milk production per farmer is expected to double and the trend toward more manufactured dairy products will continue. New products such as Quesito Mexicano, a Mexican-style cheese, and milk which can be stored for six months in a blow-molded, hermetically-sealed container will stimulate and increase consumption.

HOG SEMEN—USDA Agricultural Research Service physiologists have developed a procedure for freezing hog semen that increases acrosome survival and sperm viability of thawed semen. To raise sow fertilization the scientists dilute fresh semen with an extender containing glycerol during coddling. The glycerol is removed before the semen actually freezes. Workers at the University of Minnesota and Cambridge University of England have also reported progress in the preservation of boar semen using different freezing procedures.

ENCEPHALOMYELITIS REPORT—More than 800 veterinarians at the annual American Association of Equine Practitioners were told to expect encephalomyelitis in unpredictable areas this season. Estimates for 1971 indicate that horse losses due to Eastern and Western strains were greater than those from Venezuelan equine encephalomyelitis. The veterinarians emphasized that vaccinations against one of the three strains in no way protects horses from the other two viruses.

Crops

WASTE RECYCLING—Walt Disney World and the University of Florida have signed an agreement whereby the university's Institute of Food and Agricultural Sciences will conduct research on Disney's "Living Farm." The research will deal with finding an effective way of recycling municipal waste water. Crop and forest land will serve as a "living filter" to remove nutrients and return clean water to streams, lakes, and aquifers for reuse. Vegetation on the farm will provide feed for horses and wood for pulp, as well as aesthetic value.

MANAGEMENT SATELLITE—NASA's first Earth Resources Technology Satellite (ERTS), which will be launched from California's Western Test Range in late March, will be used by the University of California to monitor crop production schedules. Specifically, university scientists will use the ERTS sensing system to study the state's cotton production and pink bollworm control. Using color infrared photography, entomologists will pinpoint cotton fields and crop events, including defoliation, harvest, and plowdown. Experiments by other institutions and universities involve land-use planning, range management, and irrigation studies.

MALE-STERILE SOYBEANS—A male-sterile soybean line has been developed by the USDA, a major breakthrough in search of higher yielding soybean varieties. The immediate advantage is that plant breeders will now have more control over pollination and can try more crosses to improve varieties. Plant geneticists first used the male-sterility in 1925 to develop hybrid onions. Then came corn, millet, wheat, sugarbeets, carrots, peppers, tobacco, orchard-grass, and—now soybeans?

GMI professor Jim Lyons drives home his ideas.

Dunebuggy style. Jim designed, built (for under $1000), and now drives the one pictured here. Used mainly for gymkhana events, he also uses it to get to work.

Jim Lyons is an automotive engineering professor at General Motors Institute in Flint, Michigan.

Students there take classes from Jim in propulsion systems like steam, electric and turbine; as well as chassis and engine design.

On the beautiful GMI campus, over 3000 men and women are earning degrees in industrial, mechanical and electrical engineering—as well as industrial administration. The five-year program allows students to rotate six-week sections at GMI with employment periods at sponsoring GM units.

Respected and well liked both as instructor and friend, Jim likes to get involved with his students. For the past few years, he's been advisor to an avid group of GMI students called the Firebirds. Dedicated to the auto sport, the club sponsors frequent road rallies, car shows and gymkhanas.

It was the gymkhana that prompted Jim to build his own car. Because unlike many automotive performance events, driving skill and safety, rather than speed, are stressed. All cars must pass rigid inspections, and drivers wear safety headgear and seat belts. The object is to complete an obstacle course in a certain time without knocking over a pylon.

People like Jim Lyons prove a point. That at GMI, involvement is more than mechanics. It's interesting people.

For more information about opportunities at GMI, write: Director of Admissions, GMI, Flint, Michigan 48502.

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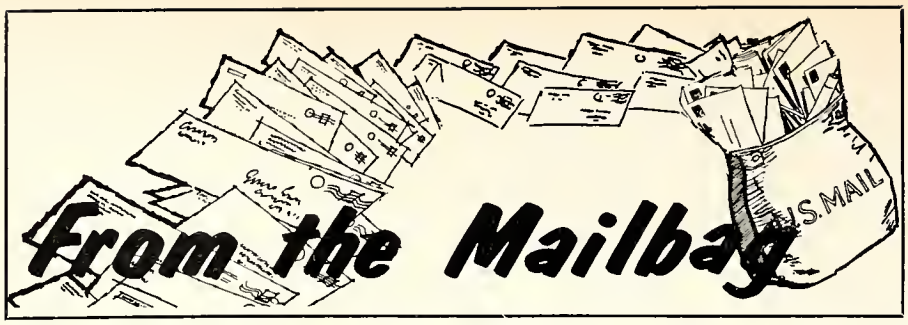


Kendall, New York

We have just received word of a young man who has had a tragic accident involving a corn picking machine. Somehow he became entangled in the machinery and has lost both legs and a hand. It is possible he may lose his life.

It occurs to me your fine magazine reaches many prospective farmers and enough can't be said on safety around farm machinery. Even the most experienced take a chance.

I am sure you have emphasized this before but a safety article might be worth another space in a future magazine. If it impresses and saves the limbs of but one young man it will be worthwhile.

Both of our sons have been FFA members while in high school.

Mrs. Leonard Williams

Loudonville, Ohio

One of the most enriching experiences in the life of our farm community has just ended. Less than an hour ago, the German young farm leaders group boarded their bus to head for Washington, D.C., and then back to their native Germany. There were many tears in the eyes of guests and host families as they bid farewell after the four-day sojourn.

The genuine hospitality extended by the host farm families and the gracious appreciation shown by the German young people were glorious to behold. It makes me proud and humble to have been engaged in vocational agriculture teaching in this community for nearly 20 years.

We have already been asked to visit their homes in Germany. This invitation is already being seriously considered for a year or two in the future.

Jack Nowels, Advisor

Powell, Ohio

I am enjoying reading my son's magazine, since it brings to mind pleasant memories of his father who was a member such a "short time ago."

At the time his father received a state award, the trend was moving away from honoring sons of prosperous farmers, in favor of choosing winners who did not have parents give them advantages. My husband was one of those non-farm boys who made good. I remember that when he received his American Farmer degree, a couple of the national winners were from situations where there was not a ready-made opportunity for success.

Evidently the trend has come full circle because I notice in your December issue that many of your national winners belong to families where the opportunities are a family birthright. I am not criticizing your choosing these young men, because I know you continue to maintain high standards, and these boys had to take advantage of these opportunities for their success. So I am encouraging you to keep your heaviest emphasis on rewarding those who were disadvantaged and made it. These young men will usually become good citizens whether they receive these awards or not.

Mrs. Louis Huffman

Cheyenne, Wyoming

Received your letter and transparencies that you returned. Really do appreciate your selecting one for the 1973 calendar. This will make the second year that I have had a picture on the calendar, feel it quite an honor as there are hundreds of pictures taken over the United States for you to pick from. Will keep working and maybe I can come up with something else in the future that you might like.

After the National Convention I entered the hospital for surgery so have been taking it easy the past month. The Wyoming State Association officers', and boys from my area certainly were wonderful to me during my stay in the hospital. It is wonderful to be associated with such a wonderful organization. Two boys from the Burns-Hillsdale FFA Chapter drove to Cheyenne one stormy nite to bring me a card signed by 28 boys in their chapter plus a beautiful bouquet. This is something I'll never forget.

Floyd Cashman
Wyoming State FFA Photographer

Belvidere, New Jersey

The December-January issue has an error in the Public Speaking winners, (page 11). Miss Jeannie Apgar, the fourth place winner is not from Belvidere, Vermont. She is from Belvidere, New Jersey. I would appreciate it very much if you would correct this error.

Harry Schnieber, Advisor

Thank you for the correction.—Ed.

Bushnell, Illinois

While on a recent sightseeing tour of Washington, D.C., I visited Arlington National Cemetery. Because an Australian dignitary was placing a wreath on the grave of the Unknown Soldier, there was a delay which caused me to miss my bus. However, I was not alarmed, just impatient as I waited in the hot sun with throngs of other people. Apparently I had a distressed appearance, for a meticulously groomed young man approached me and said, "Could I help you?" I told him I wished to reach the airport where the plane to Peoria would be leaving later in the afternoon.

The young man said, "Just a minute, I think I can help you." He checked with the bus driver. Soon he returned and said, "We'll take you to the airport." So without fear, I boarded the bus with about seventy loudly jesting Future Farmers of America and their agriculture teachers. The boys were state leaders attending a national leadership conference in Washington, D.C.

All too soon I was being helped from the bus after my free ride to the airport. As he wished me a safe journey home and great luck always, hot tears welled in my eyes. All I could say was, "You blessed boy, you blessed boy."

As I sped homeward via a jet at bullet like speed, I suddenly had a surge of elation. I experienced renewed hope and courage. Like many others, I have at times a frightening feeling that the tried and true, time honored values from antiquity are being replaced by strange, new, and possibly unworkable values. The youth of today still have self respect, with a definite sense of direction. Youth of America still respect teachers. Youth of America aren't too deeply concerned about the generation gap. Youth of America still are eager and willing to lend a helping hand where help is needed. There is hope for our America!

I know, I believe, for I saw it and I heard it as I rode through Arlington National Cemetery with the state leaders of the Future Farmers of America on a bright day in 1971 A.D.

Christine M. Crook

Sunbury, Ohio

As assistant chief of the B.S.T. Volunteer Fire Department of Sunbury, Ohio, I am taking this opportunity to write you regarding the help afforded our department by the Big Walnut FFA Chapter.

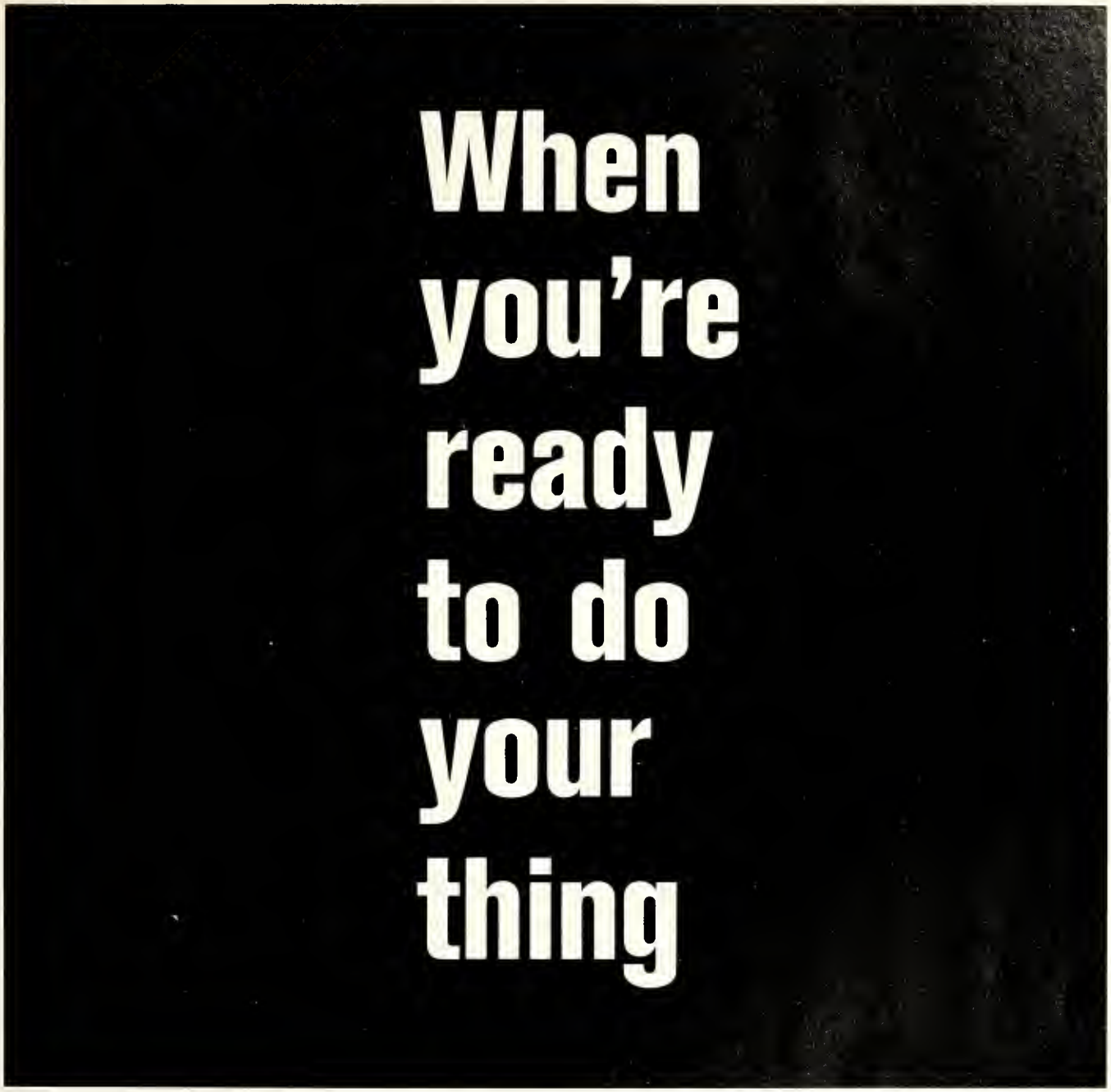
On August 21 at 11 p.m. our department was called to a barn fire. We had excellent help from two nearby departments which hauled water to us and in a short time we had the flames knocked down. However, due to the large quantity of hay present in the mow, the fire kept rekindling and by six a.m. it was determined that the only solution was to remove all the hay from the mow. As we are only a small department of volunteers and all available men had already been on duty for seven hours and were nearly exhausted, we called the local FFA advisor, Mr. Gary Bauer, to see if he could possibly get us some help to pitch this hay out so that it could be removed by manure loaders.

Mr. Bauer started calling members and in a short time we had plenty of help. On a moment's notice, they rolled out of a nice, warm bed on a Sunday to offer their help. They expected no pay, no reward of any kind but were more than willing to go to the assistance of a neighbor in need.

It was only possible to save as much of the barn and other buildings as we did because of the unselfish efforts of these fine young men.

These young men are a fine example of what the good leadership and training afforded by the FFA can do for the youth of our nation. I hope that in some way more young people can come under such guiding influence.

William Fisher
Assistant Chief



. . . there's a good chance you'll bump into us doing *ours*.

More than likely, the thing you're aiming at is farming or ranching—or working with farmers and ranchers, perhaps in an agribusiness.

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Recognizing Youth

National Vice President from the North Atlantic Region Kevin Hall attended ceremonies at the White House announcing "Youth Appreciation Week," observed November 8-14, 1971. Representing the FFA, Kevin along with leaders from other American youth groups witnessed the signing of the proclamation by President Richard Nixon.

As stated by the President in the proclamation, the week serves as "recognition of the national resource America's youth represents, and to promote greater understanding between our generations." He also said, "In organizations as diverse as student governments, vocational education, civic, social, business, religious and social action groups, these young citizens are learning the ideals of America by putting them into practice."

Public recognition of the Nation's youth included ceremonies and other activities throughout the week for the youth representatives. The signing took place on November 5, 1971.

White House Photo

Kevin and other youth leaders talked with President Nixon and Mrs. David Eisenhower, standing behind the National FFA Vice President, to begin the week.

RELATING FFA

In the short time of three months your National Officers have made over 200 visits for the FFA. Here are some high points.

Chapter Visits

National Secretary Dennis Sargent, second from left, spoke, answered questions, and sought views of FFA members at Monroe, Wisconsin. This visit was one of several made by the National Officers to chapters in six states selected for local level visits this year.

Officers Begin Tour

On January 17 your officers began the annual National FFA Officer Tour to business, industry, and government. Except for conducting FFA business at the National Officers and Board of Directors meeting, they will be on continuous tour through March 6. Appearing in groups of three or six, the National Officers will travel to 21 states, making stops in 35 major cities.

The team of officers will use the theme "Youth With A Purpose" to inform agribusiness leaders about vocational agribusiness and the FFA. They will tell how classroom training and FFA links students with careers in agribusiness and stress how FFA provides opportunities in leadership and citizenship.

National Officers are, seated left to right, Kevin Hall, Tim Burke, and Sammy Peebles; standing, Clifford Saylor, Philip Johnson, and Dennis Sargent.

Helping Jamaica

National FFA President Tim Burke boarded a plane and headed for the tiny island of Jamaica. His purpose was not for a vacation, but to help solve a problem on the invitation of the Jamaican government.

The problem in Jamaica, Tim reports, is the high drop-out rate in schools and the lack of vocational training to prepare young people for jobs. Youth camps set up by the Jamaican government for providing vocational training have met with some success. Now the government would like to form youth organizations and help students learn skills in leadership, citizenship, and cooperation.

Recently, Dr. Webster Tenney, former National Advisor of the FFA, joined the International Labor Organization of the United Nations. He is now working in Jamaica with the government to find solutions to the unemployment and educational problems. Knowing the FFA's program, Dr. Tenney made arrangements with the Manager of FFA International Activities Lennie Gamage to bring the National Officer to Jamaica.

Tim spent three days in the country, visiting youth camps on the first day and holding conferences with government officials the remainder of the time. "No definite plans were initiated, but there are several possibilities," says the FFA National President. "Probably the most practical assistance we could offer is to help start a pig chain. Jamaica's breeding stock is of poor quality and sending bred gilts would greatly improve their stock. We also discussed sending exchange students and supplying tools for gardening and horticulture training programs."

Upon returning to the United States, Tim remarked, "This is a good time for FFA members everywhere to show their concern for Jamaica and for other nations all over the world."

Arlene Stens, America's Junior Miss, presented the trophy cup to Steve Thal.

DESERVING REWARD

This state association has some ideas which might work in your chapter.

MINNESOTA FFA members have been involved in efforts to improve natural resources since 1934. At first projects were conducted largely on a "do-it-yourself" basis, with individual members acting upon direction from conservation minded chapter advisors.

Then in 1964, the Minnesota FFA Association launched a program aimed at assisting the introduction of conservation into the vocational agriculture curriculum. It also helped make members and parents more aware of nature's resources. The present program, however, is particularly concerned with anti-pollution and anti-litter.

On November 12 of last year, the Minnesota FFA was rewarded for its outstanding work with a 1971 Keep America Beautiful, Inc. (KAB) youth award for litter prevention. It was one of the four national youth awards presented during a recognition luncheon at KAB's 18th annual meeting.

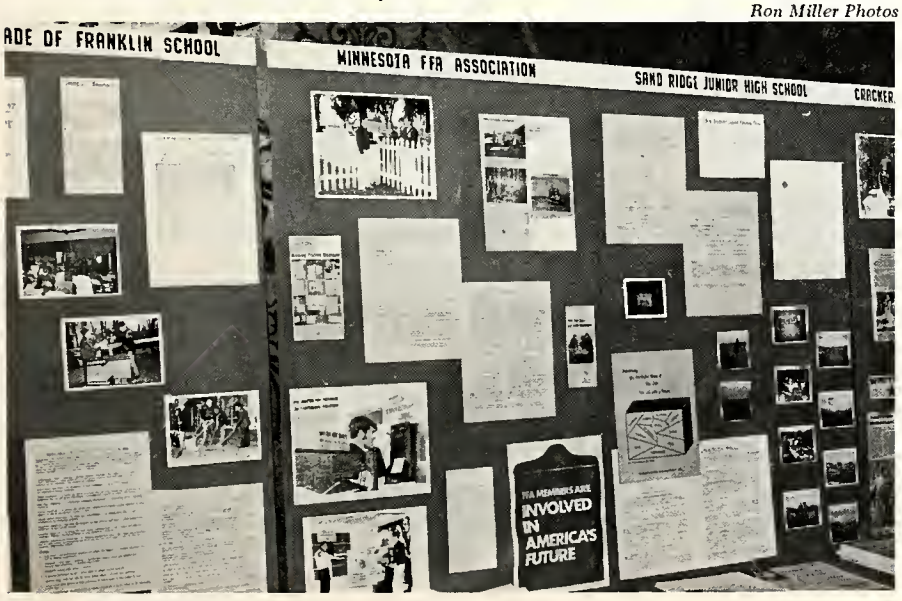
Mr. William F. May, chairman of KAB's board of directors, in announcing the awards, praised the Minnesota Association's chapters "for showing the initiative, planning, and energy for carrying out scores of pollution control and litter prevention projects all over Minnesota." Steven Thal, president of the Minnesota FFA, accepted the engraved trophy cup from Arlene Stens, America's Junior Miss for 1971, who assisted with the presentations.

At the KAB meeting, Steve reported and answered questions on the association's anti-litter activities along with panelists from other award winning groups. Representing the National FFA Organization, he also served on the KAB National Advisory Council. Throughout the coming year, the state president will work on the Advisory Council as well as representing agriculture on the nine-member Youth Advisory Board to the Environmental Protection Agency serving the Middle West.

In addition to the Minnesota FFA Association, the Sand Ridge Junior High School of Roy, Utah; the seventh grade class of Franklin School, Hasbrouck Heights, New Jersey; and the Crackerjacks and Hustlers 4-H Clubs of White Sulphur Springs, West Virginia, received KAB anti-litter youth awards.

The Keep America Beautiful anti-litter award winners prepared posters for display at the annual meeting. They also handed out literature about activities.

Ron Miller Photos

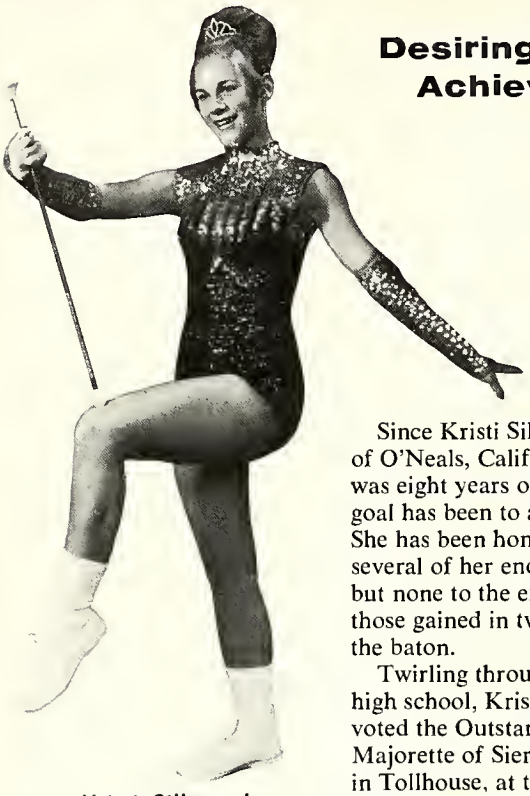


Major Activities

Individually and collectively, 10,800 Minnesota FFA members from 220 chapters were especially active in preventing pollution during the past twelve months. A listing of their major activities illustrates well the vastness of their program. Chapters and members:

- Cooperated with the Minnesota Natural Beauty Council, an official anti-litter organization in Minnesota.
- Contacted over 9,000 elementary age youth in statewide educational programs on litter prevention and spearheaded elementary school anti-litter projects.
- Displayed more than 100 billboards, sponsored by outdoor advertising firms in Minnesota, depicting a tree planting scene involving FFA members.
- Cooperated with soil conservation districts in public speaking contests on the topic of conserving our natural resources.
- Planted over 900,000 tree seedlings, including special Arbor Day tree planting programs.
- Distributed over 11,300 FFA litter bags to businesses and citizenry.
- Provided a "write-in" slate and a "sounding off" telephone for visitors to express their views on litter and pollution at the Minnesota State Fair. Anti-pollution themes were also solicited with a "slot" for letters from fair goers. The messages were tabulated and made available to the FFA chapters.
- Circulated KAB's guide for elementary school teachers entitled, "Litter Prevention . . . A First Step in Improving the Environment."
- Carried on local clean-up campaigns along highways, waterways, in parks, and on school grounds.
- Began providing rainfall data to officials of the U.S. Weather Bureau, the State Climatologist, and the University of Minnesota Computer Center. (See "Operation Rain Gauge" August-September 1971 issue for details.)
- Released about 40,000 pheasants and 3,500 mallard ducks and conducted habitat improvement projects on some 13,000 acres across the state. (Look for "Helping Wildlife Propagate," a complete story of this statewide program, in the up-coming April-May issue.)
- Most important, hundreds of FFA members received career training in natural resources for future use in their lifetimes.

Youth With A Purpose



Kristi Silkwood

Desiring To Achieve

Since Kristi Silkwood of O'Neals, California, was eight years old her goal has been to achieve. She has been honored for several of her endeavors, but none to the extent as those gained in twirling the baton.

Twirling throughout high school, Kristi was voted the Outstanding Majorette of Sierra High, in Tollhouse, at the senior awards program. In 1968, she was named Miss Junior California Baton Twirling Champion and first runner-up in the national finals. Kristi, who designs and sews her own costumes, led the United States of America High School Band as head drum majorette for two years. The band performed in England, Scotland, Ireland, and Japan. She also twirled with the National FFA Band in Kansas City the last two years.

In the Sierra FFA Chapter, Kristi served as reporter and earned the local Star Farmer award. In other leadership roles, she served as secretary and president of the sectional FFA. Recently Kristi was selected as state treasurer by California Association President Paul Mueller to replace Tony Goulart, who was killed in a car accident. Tony and Kristi were very close friends, and Mr. Robert Actis, advisor of both students, felt that Tony would have wanted Kristi, a runner-up candidate at the state convention, to hold the office.

Kristi, winner of the Chapter Livestock Proficiency award in 1971, maintains a breeding herd of 12 registered Yorkshires and feeds 35 market hogs annually. As a Freshman majoring in agribusiness at Fresno State College she has now started an experimental swine feeding project.

In addition, the champion twirler was chosen as the 1970 California FFA Sweetheart and a candidate in the American Royal Queen Contest. She has received two Santa Fe Railway Achievement awards, a Bank of America Achievement award, and the Farmerette Citation from "Agriculture . . . U.S.A.," a national TV program. Finishing with a grade point average of 3.3, the California FFA'er served as president of the high school chorus and a past honored queen in the International Order of Job's Daughters.

A holder of the State Farmer degree, Kristi received a Certificate of Merit from California FFA Advisor Donald Wilson for her many achievements. Achieving in the manner that Kristi has, requires something extra. This something could be described as "desire with a purpose."

Dale Haggard

Goals for Success

During the first quarter of the fifth game the Glendale Community College quarterback sustained a fractured collarbone. Dale Haggard, an FFA member from nearby Buckeye, Arizona, was called upon to lead the Glendale Gauchos. Dale completed three of five passes for 44 yards, threw for one touchdown, and scored another despite his team losing 35 to 33.

"For a fellow who had never thrown the football during a game all season, Dale did a tremendous job for us," commented Coach Carl Rollins. "He made a few mistakes, but on the whole he did real fine." Leading the team through the remaining five games Dale compiled nearly a 75 percent completion record.

Before entering Glendale to study agriculture economics, Dale lettered in high school varsity football for three years and was selected to the all-conference team two years in a row. He also quarterbacked the junior varsity team and lettered in baseball.

Buckeye FFA Advisor H. M. Stewart calls Dale a "once in a lifetime FFA member and the best young stockman he had ever worked with." Dale served as president of his Greenhand chapter, the Buckeye Chapter, and his district FFA. Though he did not reach his goal of becoming state FFA president, he was elected as first vice president of the Arizona Association. He was later judged as best public speaker of the state officer team.

Operating a contract feeding operation with his father, Dale won chapter and state awards in livestock farming. He also received chapter and district Star Greenhand honors and the chapter Star Farmer award.

Dale's highest FFA achievement came when he was named winner of the $1,200 Salt River Project College Scholarship, the largest available to the some 2,000 Arizona FFA members. Another one of his high honors is the Duty to God award given by his church.

Among his many high school activities Dale served as president of the freshman class and on the student council. He is a member of the National Honor Society and a Star Scout in the Boy Scouts of America. He presided as president of his 4-H club for two terms.

When Dale enrolled in vocational agriculture his goals were to play football, become state FFA president, go to college, and become a feedlot manager. To replace his unsuccessful quest for state president he now hopes to earn the American Farmer degree. Exerting the desire and ambition with which he throws the football, Dale can chalk up another victory on his way to success.

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Rodney, a Chamberlain FFA'er, redesigned the truck cab and constructed it of ⅛-inch sheet metal and angle iron.

RODNEY Peterson, a beef and hog producer near Pukwana, South Dakota, built this feeding unit from a four-wheel drive Army surplus truck and an automatic unloading forage box. Rodney, who purchased the backward operated truck with a stacker on it from a neighbor, turned all the ring and pinion bearings so it would go forward.

Next it was necessary to reposition the steering gear in front of the wheels instead of behind to drive the truck. He did this by turning the lever arm upside down and running it backward. He also made bolsters to hold the box to the truck frame and constructed a new cab made of sheet metal.

To obtain the live power take-off, Rodney hooked a shaft mounted on pillow blocks to the front of the motor. Using a roller chain he connected the shaft to the live power clutch. The clutch, which he had to remodel so the end bearing would take the stress, was from a four-cylinder engine. To complete the unit he attached another shaft from the clutch to an old gear box, thus changing the direction of travel to obtain proper operation of the unloading apron.

"I can feed cattle in any kind of weather, even when a tractor can't make it," says Rodney of his forage feeder.

Shop Projects

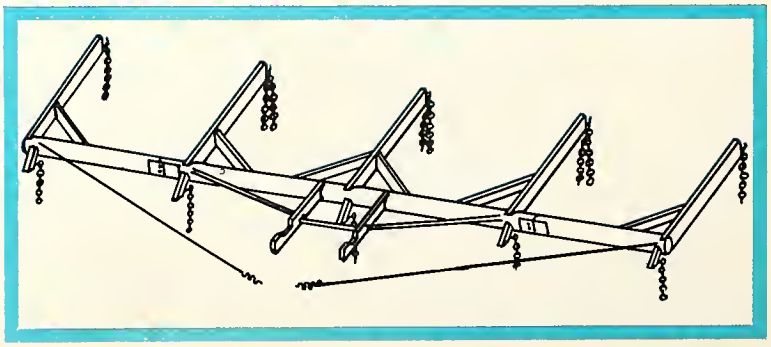
Here are two machines designed by FFA members which you might like to make.

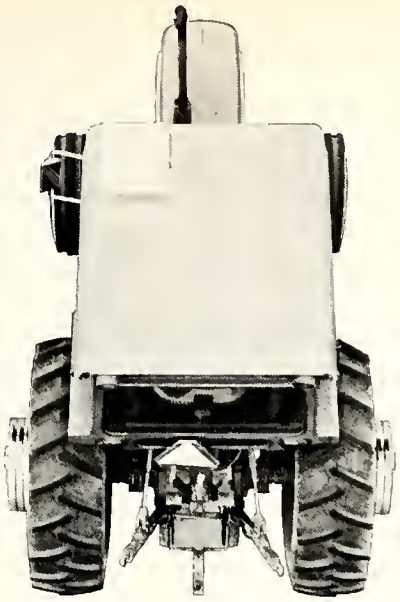
In vo-ag shop Myron used a similar design to build a carrier for his 24-foot spring-tooth.

MYRON Schmidt, Goessel FFA member from Newton, Kansas, built a 24-foot harrow carrier for moving easily between fields in farming 350 dryland crop acres. In constructing the main frame, he used 3-inch ID pipe and designed a 2-point hitch from 1-inch square iron and ¾-inch round rods for braces. To guide the harrows, he attached flat metal bars with an eyebolt underneath the pipe frame for hooking to the front of the harrow and welded flat metal braces on the back for holding the chain hooks made from ½-inch round stock.

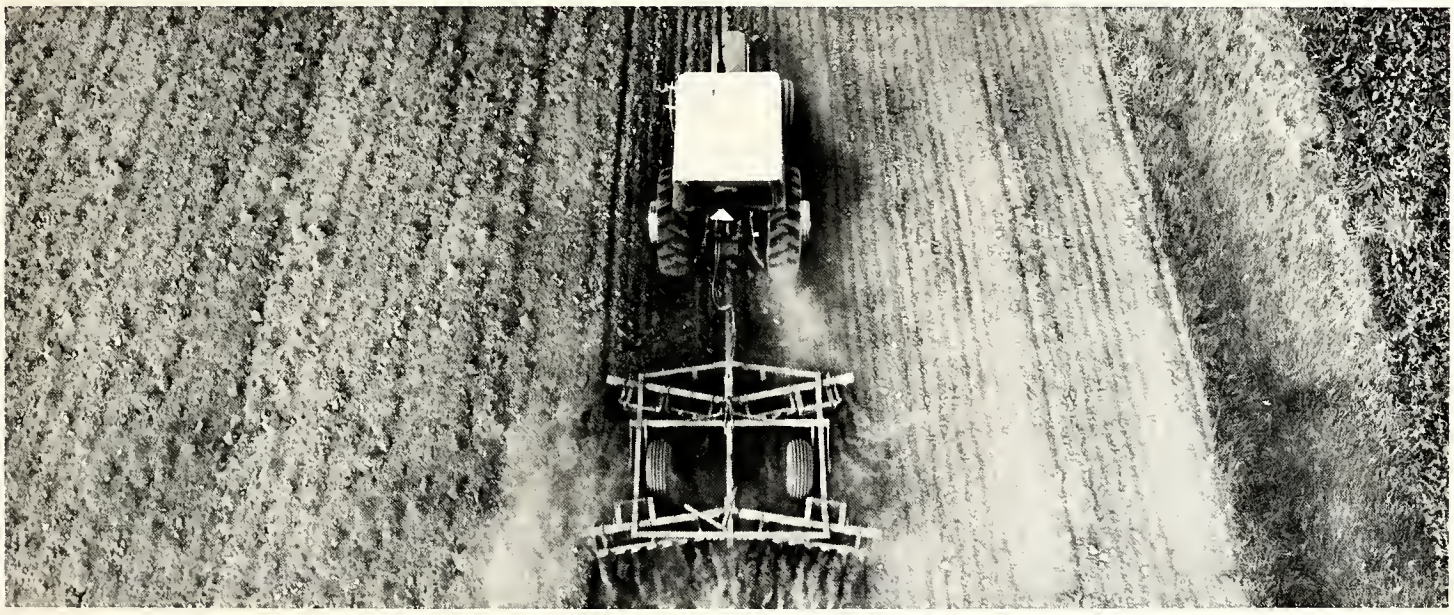
Using a steel cable and crank, Myron made the carrier so the two end sections of the four 6-foot harrow sections can be folded up for going through gate openings.

Myron closed the ends of the pipes by welding a cap on inside edges.





The Firestone Deep Tread Tractor Tire



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Firestone

The original 23° traction tires

Adventure in Agribusiness

Here's just one FFA'er out of a hundred in an all-urban chapter who found a career in agriculture.

By Ron Miller

David manages much of the potted plant operation.

AGRIBUSINESS taught in vocational agriculture at Green Bay East, Wisconsin, provided David Bloomer with a place in horticulture.

Concentrating on the retail end of a wholesale flower business, David has developed skills in soil preparation, fertilization methods, plant propagation, disease and insect control, wholesale and retail sales abilities, and numerous others. Still working for the same company, he now serves as assistant to the flower shop manager. This year he plans to enroll in the horticulture program at Kenosha Technical School.

Dave's interest in plants began during his first year in FFA with the growing of a home garden. At that time he also worked in a gas station and a restaurant.

The following year, however, Dave was employed at Schroeders Flowerland, the largest operation of its kind in the area. Over the past four years he has increased his ability to the point that he now assists the production manager with all activities.

In the production area he pots plants, takes cuttings, controls light and temperature, and sprays for insects and diseases. Dave, a winner of the local men's garden club horticulture award, also leads tours of students and garden clubs through the greenhouse.

But David is not the only urban member in the Green Bay area to find opportunity in agribusiness. Total enrollment this past year of the three agricultural departments in Green Bay—Preble, East, and Southwest High Schools—was over 300 students, of which some 40 were girls. The East and Southwest Chapters are 100 percent urban while Preble is about 50 percent urban and 50 percent rural.

Agriculture became a part of the curriculum at Green Bay Public Schools in 1965 through the annexing of Preble High School into the city of Green Bay. The Preble agriculture program started when the high school opened in 1955, and was developed by Vo-ag Instructor Wendell Mitchell. Today membership in the Preble Chapter numbers 86.

In 1967, the Green Bay Public School system expanded the agriculture program by hiring a second instructor, Mr. Don Leibelt. He taught three classes at Preble High and began a pilot program in agribusiness at Washington Junior High School, the feeder for Green Bay East High School. The pilot program was in conjunction with the state department of public instruction.

Twenty-two urban students made up the first class at Washington Junior. The following year the Green Bay East Chapter was chartered with 39 members. In the third year the program grew to over 75 students, 60 of which were FFA members. This past year 101 of the 115 urban students are in FFA.

A third vo-ag instructor, Mr. Laurence Etienne, came to Green Bay in 1969. He taught classes at Preble High School and Washington Junior High School, in addition to starting a third department at Green Bay Southwest. This chapter was chartered in 1970 and has 29 FFA members.

Now back to what David Bloomer's agribusiness experience means to him.

To illustrate the value of his experience, Dave once ran an experiment involving a time-release fertilizer. The plant food was applied to chrysanthemums which resulted in 100 percent faster growth, stronger plants, and larger bulbs. Because of Dave's work the idea was adopted by Schroeders as a general practice to cut fertilizer costs.

Dave played a major role in a chapter landscaping project by developing an "E" floral arrangement at East High School. He continues to grow a vegetable garden at home and spends much of his extra time beautifying the yard.

"Without FFA and vocational agriculture I would never have become interested in horticulture," says Dave, a charter member of East FFA. "Now it's my career."

Following his technical training in wholesale and production at Kenosha he intends to return to Schroeders Flowerland. With all of this agribusiness experience, Dave, the past chapter secretary, will be equipped for his career.

Waiting on customers and selling plants are among Dave's varied responsibilities.

Photos by Author

Turning Gullies into Pasture

A conservation plan is improving the land on this FFA farm. By Rose Fleming

Soil Conservation Service Photos

FROM the ridge above the farm operated by the Mississippi FFA near Grenada, you can see a green valley below dotted with fine beef cattle.

This pleasant valley was once the borrow pit for Grenada Dam, constructed by the U.S. Army Corps of Engineers as part of the flood control effort on the Yalobusha River. Now it supports top-quality calves for FFA members throughout the state.

Beginning partially as a project to prevent further soil erosion, the Mississippi FFA Association leased the farm several years ago. The Soil Conservation Service (SCS) soon became involved, assisting with planting much of the severely gullied land as part of a farm plan.

To develop the land the Mississippi FFA asked District Conservationist Rex Blue and his staff to assist in providing a land use plan. SCS Agronomist Herman Saucier, located in the state office at Jackson, came out several times to give them technical assistance.

"Balanced grazing is the key to the grazing program here," explains Mr. Saucier. "This means pasture at all seasons. On this farm there are tall fescue and ryegrass for winter grazing and bahiagrass, bermudagrass, and sericea lespedeza for summer grazing."

Through the plan, which was revised in 1969, 20 acres of sericea lespedeza and bahiagrass have been planted on critically gullied land. Funds available through the SCS-administered flood prevention program assisted with the financing. In addition to pastures, wildlife demonstrations are being set up on a two-acre stand of sawtooth oak planted for squirrel and deer.

The revised plan calls for 625 acres of pastureland, along with other conservation measures to combat erosion. Tall fescue was planted in late 1970 on about 25 acres, and some 30 acres of old pastures were renovated, disked, fertilized, and seeded with ryegrass.

Another 67 acres of land is now being smoothed and planted. Pine trees already have been planted on 35 acres; and the remaining 32 acres will be seeded with pasture grasses.

But the farm was established mainly to furnish quality calves for FFA members in the state. There are about 12,000 vo-ag students and 251 departments in Mississippi, and many of them are up-grading their herds with registered Hereford calves raised on the Grenada FFA farm.

Mr. C. M. Brewer of Grenada, camp director and farm manager, says the entire 1,440-acre farm has been designed for use as a study area. During the summer of 1970, about 135 FFA members came from all sections of the state to observe the cattle program and the various forage programs. More than 200 visited the farm in 1971.

"Grenada FFA members are keeping records of weight gains on annual ryegrass and on the net return from calves fattened on this grass. They're also considering the feasibility of feeding calves on grain and comparing whether it would be better to graze them on ryegrass and tall fescue or sell them as weaned calves." says the farm manager.

The lush ryegrass pasture, developed as part of the farm plan, has helped the Mississippi FFA Association increase the quality of cattle produced on the farm.

Timber-r-r-r Harvesting

Many FFA members have used these courses in pulpwood and timber harvesting to launch a career. ***By Ron Miller***

IN recent years at least 5,000 vocational agriculture students have graduated with courses in "Pulpwood Production" or "Timber Harvesting Technology," sponsored by the American Pulpwood Association (APA). These training programs are designed for introducing students to careers in the harvesting of forest products.

A survey conducted by APA about two years ago showed that 14 percent of the students were actually recruited for jobs in the forest industry. "This is a pretty good figure since about 30 percent of the respondents were juniors or under and a fairly high percentage of the seniors who completed the course went to college or military service," says K. S. Rolston, manager of APA's technical programs.

Thus far, more than 200 high schools and vocational technical schools in 20 states have held such courses. Besides preparing students to become loggers, courses have helped to improve the logging industry's safety record.

Developing the Courses

Beginning in 1966 with a pilot program in Georgia, five schools—Calhoun, Hogansville, Homerville, Nashville, and Springfield—offered pulpwood production training. Working with the Georgia Pulp and Paper Industry, the Georgia Vocational Agriculture Department—particularly Dr. R. H. Tolbert—worked out the details of the initial program.

Several Alabama high schools are also in their sixth year of teaching pulpwood production under this program. One of the first students taking the course there, Jimmy Gilliland, a Rockford FFA member, went into producing pulpwood on a full-time basis for Kimberly-Clark as a result. Today, 42 Alabama vo-ag departments offer forestry harvesting courses.

To prepare vocational agriculture teachers for instructing students in forestry harvesting, the APA has held in-service training courses in cooperation with state education departments. For example, one summer advisors from Minnesota, West Virginia, and Maine, as well as Pennsylvania, came to Penn State University for two weeks to study forestry and its products. Upon completion they received a course outline, an instructor's guide, and a textbook developed by the APA.

For a school to enroll in the program they must have a minimum of 10 and a maximum of 20 students interested in pulpwood or timber harvesting. Forest products production—with at least one forest products company within the area—must be a principal type of business in the community. The ability to procure small tools and measuring equipment on a loan basis is also necessary. Some states further require schools to own, or lease, at least 10 acres of timber suitable for instructing purposes and harvesting as pulpwood.

To teach some subject areas, the vo-ag instructor receives help from a local advisory committee. "Generally composed of local logging contractors, equipment dealers, and company foresters, committees often include a banker, police officer, and a county official familiar with land ownership. They serve as guest instructors, arrange for equipment, and help with field trips," explains Mr. Rolston.

Though the program began on a national basis, it is now being carried on by state advisory committees. The APA, however, does prepare new slide series, scale model equipment, and other materials for use by the forestry harvesting classes.

Members of the Clinch County FFA at Homerville, Georgia, learn how to operate a log skidder which was furnished by the Hendrix Machinery Company, Savannah.

What Trainees Learn

The course taught—pulpwood or timber harvesting—depends on the school's location. That is, students in the southeast primarily study pulpwood technology, and students in the northeast and northwest concentrate on timber harvesting. Basically, though, both courses are similar, and are divided into two parts.

In the first part, students learn about the history of logging in the immediate area and the basic principles and kinds of logging used today. They also study scaling and grading of logs, forest management practices, fire protection, and safety hand signals.

The second phase of the courses involves the management and operation of harvesting equipment, including a study of hydraulics and engine operation. To complete the course, students are introduced to felling, limbing, and bucking equipment, skidding and pre-

With an education in forestry harvesting Charles Johns of Georgia is developing his own pulpwood production business.

hauling machinery, and rigging, loading, and hauling equipment.

In some schools students can also take a course in forest products production. Dealing primarily with the management end of production, students learn how to determine the value of stumpage, execute contracts, purchase equipment, maintain employee relations and keep records—both payroll and production.

Throughout the courses students see over 20 films on various forestry subjects and take field trips to witness forest production and harvesting operations in the area. All-day trips are planned to large forest products plants.

In conjunction with their training, students often attend pulpwood harvesting equipment shows. To illustrate, FFA members and advisors in South Carolina attend an annual equipment show at the Lower Richmond High School in Hopkins. The show features pulpwood harvesting demonstrations and the presentation of two $600 scholarship awards. The scholarships, awarded to high school seniors in the vo-ag pulpwood program, are for the Timber Harvesting Technician School at Lake City, Florida.

Future Opportunities

As indicated, the Lake City Junior College and Forest Rangers School offers further training for timber harvesting technicians. The course includes all aspects of logging and runs for nine months.

Many of the students in Georgia, upon completing the APA-backed forest technology courses, continue their training at vocational technical schools in Savannah and Waycross. Forest harvesting courses at these schools are conducted over three-quarters in one school year. Before working on a field project, students learn equipment operation and hydraulics, harvesting and management techniques, technical reporting and mathematics, and safety.

Charles Johns, a former Charlton County, Georgia, FFA member, has developed a pulpwood production business primarily as a result of his vo-ag training. He was also enrolled in the wood harvesting course at Waycross-Ware County Voc-Tech School. When in full production he employs four full-time men and markets 150 to 200 cords of pulpwood per week.

Charles' operation includes cutting, logging, and hauling. And he already owns a tandem truck, a semi-tractor and two trailers, a skidder, and a hydraulic loader. As an indication of how he feels after taking the vo-ag forestry course, he now serves as a member of the advisory committee for the Charlton County High School.

Some implications brought about by this forestry educational program show up as increased employment within local communities. Vocational agriculture teachers often report, "Out of every 11 students enrolled in the class, six definitely indicate an interest for a job in the pulpwood industry upon completion."

No matter what part of the country, so long as the local community can provide the opportunity for supervised occupational experience or part-time work, a high school can usually develop a forestry course. If you and some of your fellow FFA members are interested in a career connected with forest products, discuss the idea with your advisor. It could be the first step toward your chosen career.

Further information relative to organizing and conducting the above mentioned courses can be requested from Mr. K. S. Rolston, Administrative Assistant, American Pulpwood Association, 605 Third Avenue, New York, New York 10016.

Mr. Earl Fisher, vocational agribusiness instructor at McIntosh Union High in Alabama, teaches his students the proper care and maintenance of chain saws.

High Lysine Corn Tested

These FFA chapters are helping a seed company obtain data on lysine corn. ***By Ron Miller***

Harry Plotner, left, records moisture information read by Jerel Maple, hog feeding chairman for Maconaquah FFA.

FORTY-four chapters in the Midwest and South began cooperating with Funk Bros. Seed Company in 1970 by growing high lysine corn. This year members in 41 schools raised lysine corn and are now conducting hog feeding trials.

Initially Funk's district sales managers selected vocational agriculture departments to grow, harvest, and store the crop and then feed it to hogs. Both phases are being done in comparison with regular dent corn by chapters in Alabama, Georgia, Florida, Mississippi, Arkansas, Iowa, Minnesota, Wisconsin, Michigan, Ohio, Indiana, and Illinois.

Growing Tests. Midway through the growing season, chapters reported the planting date, plant populations, field count, and general progress of both regular and lysine crops. At harvest time the chapters again supplied data on cards provided by the seed company. Information included the date of harvest, method of harvesting, moisture content, yield, test weight, and comments on harvestability.

"Recording information on the high lysine plot was easy with the forms supplied by Funk's," says Advisor Jerry Zahner, Maconaquah FFA at Bunker Hill, Indiana. "Members enjoy visiting the plot frequently and recording data on a corn at each stage of growth. Previously, when high lysine corn was brought up in class, all we could do was talk about it. Now we learn first hand."

In general, data obtained from the cooperating FFA chapters were similar to the results provided by corn farmers in 1969. With the exception of one or two chapters indicating problems with their planter, they reported good stands and crop growth. Yields as high as 148 bushels were attained in Winfield, Iowa, and 110 bushels in Georgia using a corn belt maturity of high lysine corn.

Chapters found that cultural practices used for regular dent corn also worked best for high lysine varieties. That is, the better the soil and cultural practices, the better the yield. Harvesting with a combine or picker was no problem either. However, many FFA members reported slowing the cylinder speed and cutting the air for high lysine.

In 1971, chapters discovered that high lysine corn—having a recessive gene—will revert to regular corn if dent pollen falls on the silks. Tests by chapters indicate the amount of mixture is not serious after ten or 12 rows if high lysine is planted so prevailing winds blow away from it. They also achieved isolation by planting corns with a spread of maturity.

During the growing season, Mr. Lewis L. Falck, head of the high lysine project for Funk's, visited all of the participating chapters. "I was really impressed with the teaching of management in the vocational agriculture departments today," says Mr. Falck. "They really have changed since I was a vo-ag student at Lamont, Iowa." Prior to joining Funk's, Mr. Falck taught vo-ag for 11 years.

While some chapters conducted the project as a chapter activity others handled theirs individually. For example, Montello, Wisconsin, FFA member Sue Larson conducted a high lysine trial on marginal-type soil in Marinette County. With timely rainfall through most of the summer, her field yielded 81.4 bushels per acre with a tested moisture of 32 percent.

Early this year, Sue, a recipient of one of the chapter's gilt projects, will begin feeding trials on high lysine and regular corn. She will be feeding out two groups of offspring farrowed by her four gilts.

Bob Voss of the Eddyville, Iowa, FFA sent his corn samples to the seed company for protein and lysine analyses.

Feeding Tests. Most of the hog feeding trials will not start until this spring because of water problems in cold weather. However, initial reports are in.

Last year, the Manchester, Iowa, Chapter conducted feeding trials headed by FFA member Warren Smith. Starting with pigs weighing 105 pounds—ten in each pen—both groups gained about the same rate per day. But the big difference came in cost per pound. While it cost 12.53 cents to produce a pound of gain with high lysine corn, costs for the pen fed regular corn totaled 15.45 cents for each pound of gain.

In another test Rudy Chalfant, FFA member from Guthrie Center, Iowa, fed 20 pigs in each pen—starting them at 85 pounds. His cost per pound of gain for the high lysine group was 12.01 cents. Meanwhile, it cost him 15.0 cents to produce a pound of gain with the regular dent corn.

To carry on the feeding trials, Funk's again supplied the chapters and members with data sheets for recording information. Suggested rations by Dr. H. H. Hodson, swine specialist at Southern Illinois University were also furnished. Chapters are to report the kind of ration used, percent of protein, and feed costs, as well as the number and type of hogs, starting and finishing weights, and the number of days on feed.

Many instructors say the high lysine project helps impress upon students the need for "quality protein" and essential amino acids.

"Overall we found raising high lysine corn to be very educational, both for the students and the school community," says the Maconaquah, Indiana, FFA Advisor Jerry Zahner. "But we are looking forward to the most educational part of the experiment—the final results of the feeding trials."

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USDA Photo

Along with the increased need for environment control comes a demand for numerous biologists and technicians.

THE United States is in the midst of an agricultural revolution. And this revolution is having a tremendous impact on the employment opportunities in agriculture.

Although the number of career opportunities in farming are shrinking, the number of jobs in agricultural related industries are on the rise. Industries that supply products and services to the farmer and those handling products produced on the farm continually need young people who have an agricultural background—plus training in specialized areas of agriculture.

What employment trends can you expect in the various fields of agribusiness? The following forecasts, summarized from the 1970-71 edition of the U.S. Department of Labor's *Occupational Outlook Handbook,* can give you an idea of what to expect in many of the agricultural fields.

Farming. Since the demand for farm products grows much slower than productivity, the number of opportunities in farming will steadily decline. Agricultural economists predict that by 1980 U.S. farms will employ only 3 million persons as opposed to the approximately 4.5 million currently working on farms. However, though opportunities will be available to fewer and fewer people, farming will offer challenging and rewarding careers with larger incomes and better living conditions as the average size farm increases.

Researchers. The number of career opportunities in research relating to agriculture increased rapidly in the past ten years and will continue to rise. Various independent research organizations, foundations, and private businesses will tend to be located either in industrial centers or in areas of high agricultural activity. Thus, more opportunities will be available in feed, seed, fertilizer, farm equipment, and chemical industries. Likewise, large numbers of professional and technical jobs will be available at experiment stations connected with the land grant colleges and various research branches of the USDA.

Cooperatives. Employment in agricultural cooperatives is expected to expand rapidly as farmers increasingly rely on them to provide farm supplies, machinery, equipment, and marketing services. The size of the individual cooperative and the types of services it offers will determine the number of jobs individual cooperatives offer.

Communications. Agricultural communications is another expanding area of specialization. The future need for crop reporters, market news reporters, radio and TV farm directors, general and specialized magazine editors, and statisticians will expand along with the use of production and technical agriculture information.

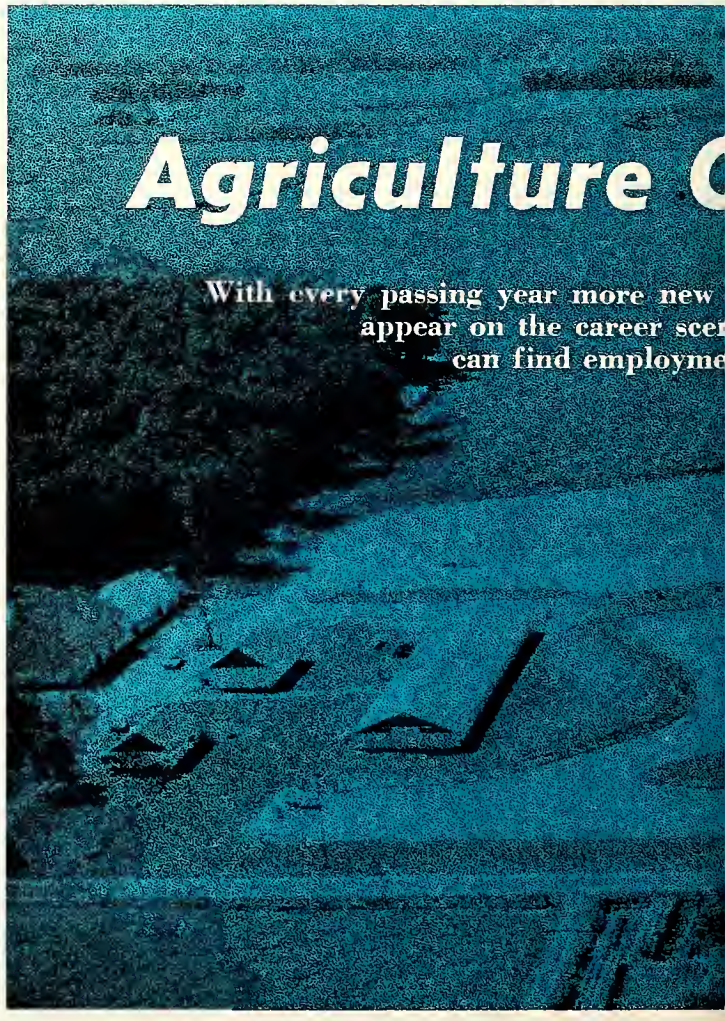
Education. The number of teaching positions in vocational agriculture will increase by 20 percent through 1975. At the same time, the number of two-teacher agriculture departments, young farmer instruction, and adult farmer programs will multiply.

New technology will also increase the demand for county agricultural extension agents. In addition, the extension service is being extended to new segments of agriculture in the urban population, adding to the opportunities available in extension work.

Conservationists. Employment opportunities for conservationists look favorable through the 1970's. Major factors underlying this anticipated demand are the country's growing population and the need for environmental control. The demand for soil conservationists will expand largely because government agencies, public utility companies, banks, and other organizations will be adding them to their staffs.

Forestry and Range. The need for foresters and forestry aides is also expected to increase rapidly. Besides the federal government offering increased opportunities, state government agencies, colleges, and private industry will provide many new opportunities in production and maintenance. To a lesser degree, careers in range management are expected to rise in private industry and in foreign countries.

Recreation. Several thousand more recreation workers will be needed annually to meet anticipated growth in the 1970's. Longer life, earlier retirements, and more free time



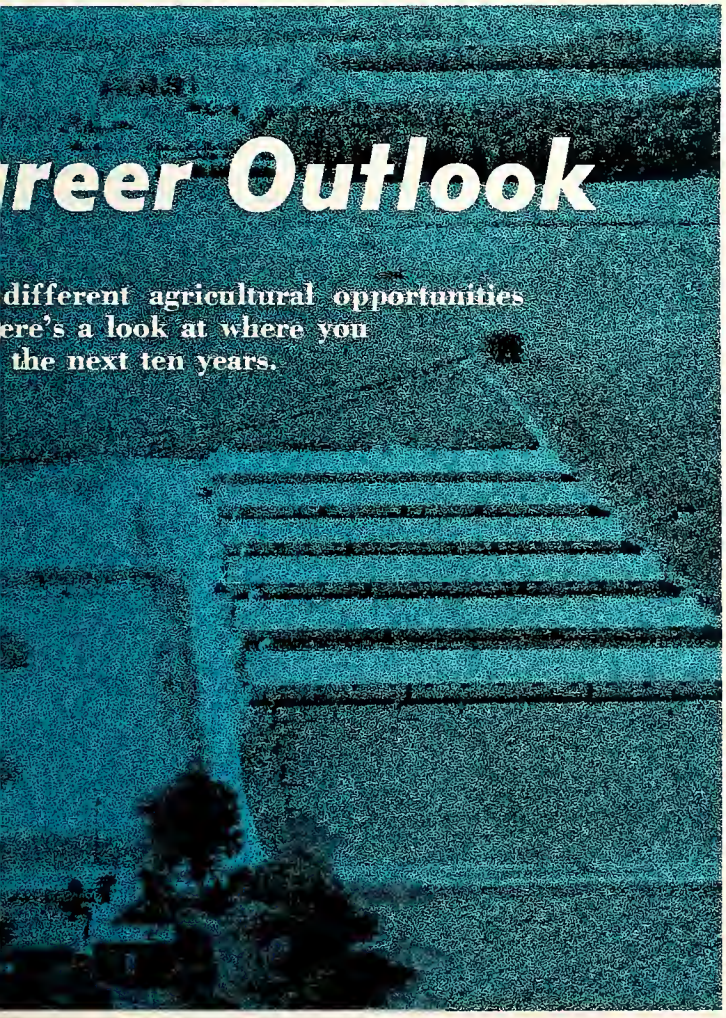
will open up new careers in the preservation of outdoor recreation. Recreation workers—part-time and full-time—will be needed particularly in social welfare agencies and at the local government level.

Environmental. Opportunities for environmental scientists—geologists, meteorologists, and oceanographers—will remain favorable. However, some geologist graduates having the Bachelors degree will find it necessary to enter semi-professional work as technicians or surveyors. The demand for meteorologists will expand at all levels, including weather measurements and forecasts, inventing instruments, air pollution research, and college teaching. Growth in the field of oceanography will open up new careers for research assistants and specialists. The number of oceanography jobs is relatively limited, but the small number of graduates will find plenty of work in managing fisheries, sea mining, and weather forecasting.

Urban. The demand for urban planners will grow increasingly as urbanization and population rises in the United States. Many of the career openings for urban planners will be with government in fields such as health planning, model city programs, and inter-government planning. In addition, planners will be hired by more and more private enterprises. It is estimated that more than 2,000 vacancies currently exist in planning agencies.

Surveying. Though persons will transfer from other occupations to the field of surveying, excellent opportunities will exist for surveyors of farm land, forests, rivers, and highways. Moreover, new positions created by growth offer opportunity in urban and recreation areas.

Life Science. The life sciences offer career opportunities in a variety of fields—agronomy, livestock husbandry, horticulture, genetics, entomology, ecology, biochemistry, botany, zoology, and many other fields. College graduates will find expanding career opportunities to work as research assistants or technicians. Persons with higher degrees will be in demand to do research in medicine, health and dietetics, environmental control, and heredity regulation. A major factor tending to increase the employment of life scientists is the anticipated rapid growth in agricultural research and development.



Jacklin Seed Photo

Since the amount of leisure time is increased for most people there is a growing need for turf grass managers.

Veterinarians. The demand for veterinarians will increase, but the number of veterinarians will be restricted by the limited capacity of schools teaching veterinary medicine. The increasing need for veterinary services, the rising number of livestock and poultry required by the population, and the growing pet population are contributing factors. As a result, the demand for veterinarians will exceed the supply over the next ten years.

Paper Industry. Various occupations in the paper and allied products industry are expected to increase at different rates. The number of engineers, scientists, harvesting technicians, and skilled workers such as electricians, machinery and instrument repairmen, and millwrights is expected to increase faster than other groups within the industry. A growing number will also be needed in the scientific and technical fields but due to the use of more machinery the need for semi-skilled workers will decline.

Electric Power. From an agricultural standpoint several thousand job opportunities will become available during the 1970's. Some of the increase will be in the transmission and distribution area, including linemen, troublemen, and groundmen. A substantial increase in the number of cable splicers is also expected. The main reasons for increased employment in supplying electrical power are the increased use of electricity on larger farms and the growing use of underground lines.

Farm Mechanics. Employment in the farm equipment industry is expected to increase slowly in the next ten years. The decrease in the number of farms and the increase in the reliability in farm machinery will limit the demand for farm equipment mechanics. These factors will be partially offset by anticipated increases in the use of farm mechanization as farms become larger. Also the widespread adoption of special farm equipment on high level crops will increase the need for mechanics.

Combining the Future with

This realistic young farmer is planning for expansion while yet in college.

By Craig Ligibel

Photos by Author

Benson looks forward to a career in farming because he believes in its prosperity.

BENSON Keil is an impressive young man—impressive to look at and impressive to talk to about his chosen profession, agriculture.

Benson is a product of FFA training, and he attributes a large amount of the success he's been able to attain in high school and college to this experience. "FFA's primary value lies in the leadership training it offers to all participants," the blonde-headed 19 year-old says. "On the farm today, a person must be able to promote his product and talk intelligently with all types of people, from salesmen to bankers. And I feel that I am better able to do this because of my FFA experiences."

Benson, the 1969 Star Farmer of Kansas, just recently received the degree of American Farmer, one of seven youths so chosen in the state of Kansas. He and his father Willis are in partnership in a beef backgrounding operation near Concordia, Kansas. Their farm encompasses 1,600 acres, which is cropped 400 acres in wheat, 250 in grain sorghum, 90 in alfalfa, and 100 in corn.

The Keils buy cattle weighing about 400 pounds and sell them as heavy feeders around 800 pounds. "This is the fastest way for us to get a return on our money right now," Benson says. "When I graduate from Kansas State in two years, we plan to start a finishing operation. But right now, we'll hold the operation to backgrounding about 250 head of feeder steers each year."

For the past two years Benson attended Cloud Community College in Concordia. This past fall he started full-time at Kansas State, majoring in agricultural economics. He looks at his straight A academic career this way, "Whenever I set out to do anything, I try to do it the best way I can. That's why I'm finishing my education at KSU. I feel I can be just that much of a better farmer if I have more education than if I just started out fresh from high school. And, too, if anything ever happens so I can't farm, I can always fall back on my degree for security."

Benson has a good business head and his dealings on the farm have given him much more experience than many his same age. His father sums it up this way, "Ever since Benson has been in high school, I've listened to his farming advice. We've always planned on this partnership, and I can't wait until he gets back from college so we can make it a working reality."

the Present

The Keils plan to relocate their feedlot from its present setting near the house to the opposite side of the road adjacent to their sealed storage units.

Willis goes on to say while he and his son don't always see eye to eye, "most of the time he comes up right."

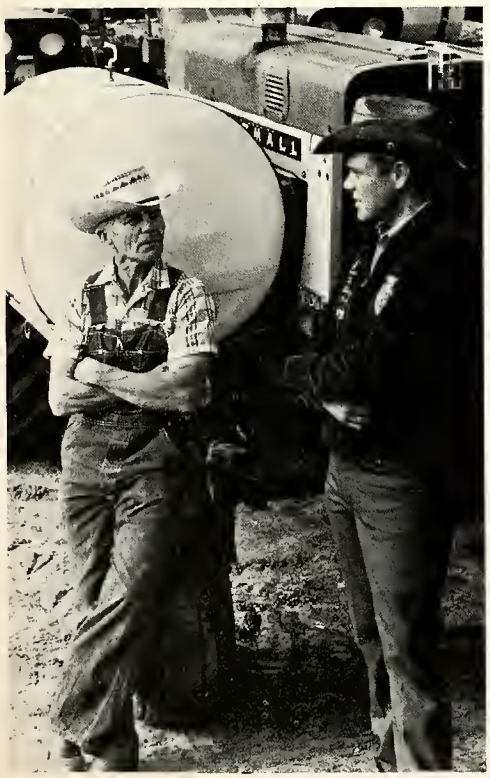
This type of working relationship is one of the reasons Benson is staying on the farm. The blue-eyed youth, who towers over his father, says, "You just have to look around to see why so many of my generation won't come back to the farm. It's usually one of three reasons—either the farm isn't big enough to support two families, the boy has been farming with old equipment, or he can't get along with his dad. In my case, I have no problems on any of these three counts."

The Keil's backgrounding operation is quite modern, with two 2060 sealed storage structures as the basis for their feeding program. Benson's father explained why he went to a sealed storage feeding system. "I had to make room for Benson to financially come back to the farm," he says, "and expansion was the only way. We wanted to expand, but keep the farm a family operation. Sealed storage was our best bet."

Benson is a great believer in automation on the farm. "The farm just couldn't support two families without automation. To me, the only way to make more money in farming is to raise more cattle and cut down on labor through mechanization," Benson says. Ever since he operated a combine at the age of 10, he's been interested in machinery. Today he does most of the repair work in the farm's machine shop.

Farming has always been Benson's first choice for a profession. He says his father encouraged him to look elsewhere for employment, but he always came back to the open fields. "I can't say, though," Benson says in a slow, determined voice, "that I'd be here today if we were still feeding with the scoop shovel. That was fun when I was little, but its appeal wore off quickly."

"Farming wouldn't be so attractive to me if it weren't for the automated aspects of feeding and harvesting which Dad and I have installed," says Benson.



Benson likes to talk of his automated haylage program that allows him and his father to put the equivalent of about 150 bales of hay an hour into their 2060 haylage structure. "One year," he recalls, "we lost three haystacks due to internal combustion fires. Then we went to storing our chopped hay in trench silos. The spoilage there was just pitiful. Since we've gone to sealed storage we haven't had any waste—and push button feeding sure beats scoop shoveling!"

The young farmer is planning for the future while working diligently in the present. Upon college graduation, he and his father plan to double their feedlot capacity to include a finishing operation. This is no hastily constructed plan. "People wonder why we have our silos on the opposite side of the road from our present feedlots," Benson explains. "But when we put those structures up three years ago, we had expansion in mind, and that piece of ground on the other side is ideally suited for a larger feedlot operation. It's a little inconvenient right now, but after we expand it will be worth it."

"Our biggest problem," Benson says frankly, "is to find enough operating capital to double our present set-up. With today's financial situation, a person has to shop carefully for money."

Mr. Keil readily backs his son's financial astuteness. "I'm ready right now to turn the farm's financial management over to Benson. We've got to be able to talk to bankers and lending agencies, and I feel Benson is much better qualified to present our expansion needs to them than I am."

Mr. Keil gives a lot of credit to the FFA organization, too, for his son's rapid development as a manager—and a farmer. "FFA showed Benson what he could do—and then he went ahead and did it. He's more than a competent farmer because of his FFA training," his father reiterates. "He is an experienced welder, machinist, public speaker, and farm manager."

Benson Keil, is one American youth who knows where he's been—and where he's heading. And it doesn't surprise people who know Benson that he's headed back to the farm.

"That's the only place I want to work," Benson says, wide smile flashing. "If I felt there wasn't a future here, I'd be in some other business. I believe in farming—and its continued prosperity in the future."

Primero Intercambio

Or as we say it, the "First Exchange" of FFA members to South America.

By Dan Reuwee

Photos by Author

While in Colombia John, left, and Tom, center, learned how to determine the moisture content of coffee beans.

HARVESTING coffee beans, picking bananas, and chopping weeds with a machetti are certainly not everyday chores for FFA members. But for John Rivera of Tome, New Mexico, and Tom Hagan of Coolidge, Arizona, these activities became part of their daily work routine last summer.

Both Tom and John, the first FFA members to spend three months in Colombia, South America, were participants in the FFA Work Experience Abroad (WEA) program last summer. During their stay in Colombia they lived and worked with vocational agriculture students and teachers in schools operated by the Federation of Coffee Growers. They also participated in many meetings of the Future Farmers of Colombia, an organization of vocational agriculture students patterned after the FFA in the U.S.

"Three months in Colombia was as valuable as two years of school," declares John. Both he and Tom now speak fluent Spanish and have a grassroot knowledge of the country and its people. "I learned a lot about Colombian agriculture and more important I got to know the people and their way of life," says John. "You don't get this kind of knowledge out of a text book!"

Unlike WEA participants living with host families in Europe, Tom and John lived at Colombian schools—each living at eight different schools in the three month period. The schools are operated in cooperation with the Ministry of Education by the Federation of Coffee Growers for the benefit of Colombian coffee growers and their children. Because teachers often live at the schools, each is equipped with living quarters which became home for Tom and John.

"The students were most interested in our vocational agriculture and FFA programs," says John. "Everywhere I went they asked about my supervised experience program to see how our projects compare with projects of Colombian students. Of course, coffee is the main supervised project for Colombian students on which they are required to keep records. I often went with the vocational agriculture instructor to visit the projects. Other common projects I saw were poultry, rabbits and hogs."

During their three months in Colombia, Tom and John found their activities varied widely. Often they were called on to teach vocational agriculture subjects as well as to give instruction in English.

Both of the FFA WEA students worked in the fields with the Colombian students and teachers. "Each school has a plot of ground which is used as a practical instruction site," explains John. "It also serves as an experiment ground and a demonstration plot to show modern agricultural methods. "I sure learned a lot about raising coffee," he says, "and it's hard work with little mechanization."

It wasn't all work and no play for the exchange students, however. "The Colombian people love to sing, dance, and play basketball," says Tom. "At one school we even helped install lights over the basketball courts so we could play basketball at night." A highlight of their visit was a trip to Cali, site of the 1971 Pan American Games.

A Colombian agriculture teacher shows Tom and John how to operate an electric chopper to cut grass for cattle.

Returning home in mid September, both Tom and John observe that the three months wasn't enough time. "I had the feeling that my job wasn't finished when I left," says John Rivera. "If I had the opportunity to go again I sure wouldn't hesitate. I only hope that more FFA members will be able to go to Colombia next year."

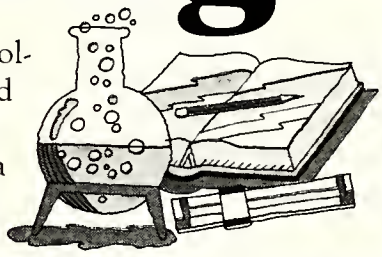
According to Lennie Gamage, FFA Manager of International Activities, Tom Hagan and John Rivera are two of 70 FFA members who have participated in the FFA's Work Experience Abroad program since it began in 1969. The purpose of WEA is to give FFA members an opportunity to experience first hand the agricultural methods of other countries. Moreover WEA is dedicated to developing better relationships between the people of all nations.

According to Mr. Gamage, plans are now being made for the 1972 WEA program. If you are interested in spending a summer on a farm or agribusiness in a foreign country write your state FFA association or the National FFA Center, Box 15160, Alexandria, Virginia 22309.

"The program is not a one way exchange," says Mr. Gamage. Last summer 46 students from foreign countries spent from three to six months living with FFA members in the U.S. While John Rivera and Tom Hagan were in Colombia, three teachers from Colombia were living and working on U.S. farms.

FFA members who have participated in the WEA program are so enthusiastic about their travels and experiences on farms that a year ago they formed the International Chapter. The members meets yearly at the National FFA Convention and publish a quarterly newsletter.

You could find yourself going to college for nothing.



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THE CHAPTER SCOOP

news, notes, and nonsense from everywhere

by Jack Pitzer

Homemade bread was on the menu of the *Versailles,* Missouri, annual FFA barbecue and tractor rodeo.

N-N-N

Redfield, South Dakota, Chapter voted to replace the old FFA banner.

N-N-N

Eric and **Mike Minigh,** *Gilmer County* FFA, won the state FFA talent contest in West Virginia. It is the second year they took top honors.

N-N-N

Douglas Durant and **Mike Harrington** found five four-leaf clovers during picnic at advisor's house. Does it bring good luck to *Gaithersburg,* Maryland?

N-N-N

Stillwater Valley FFA at Absarokee, Montana, invited state president to speak at their banquet in November.

N-N-N

Green Bay Southwest, Wisconsin, Chapter refilled milk cartons with sand and salt. Gave them to service stations for patrons to use in ice and snow.

N-N-N

Chase, North Carolina, FFA awards chapter points for members work in a BOAC project.

N-N-N

Here's an idea. Set up an exhibit of a "live litterbug." Actually a big box with a mirror in the bottom of it.

N-N-N

Members of *Glenfield,* New York, Chapter clipped 275 cows for local farmers. Fund raising project.

N-N-N

Willcox, Arizona, had to cancel their 32nd annual Quarter Horse Show because of VEE.

N-N-N

FFA Bulletin of *Sentinel,* Oklahoma, gives brief agenda for next meeting.

N-N-N

Crab Orchard, Kentucky, members raked leaves for four days.

N-N-N

Winnfield, Louisiana, members entered 117 livestock, poultry, and crop exhibits in their parish fair.

N-N-N

Members of *Allentown,* New Jersey, Chapter can earn a varsity letter with FFA on the cross bar. Based on points.

Utica, Mississippi, poultry judging team took top honors at State Fair. **Dodson, Neil,** and **Flowers** made up the team.

N-N-N

Sycamore, Illinois, members produced 15 corn picker safety tapes for use on local radio.

N-N-N

Next year during the holidays, how about a gift wrapping service for your community.

N-N-N

Brooklyn, Iowa, FFA voted to challenge *Montezuma* FFA to a pest contest this winter.

N-N-N

Be sure your chapter checks out the 1972 FFA WEEK materials. Three new items available.

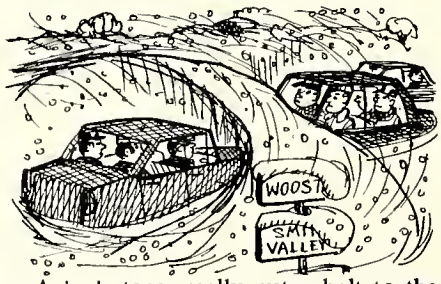
N-N-N

After the chapter meeting the *Sky View,* Utah, FFA went roller skating.

N-N-N

Eatonville, Washington, FFA signed a contract with student body for operating the pop machine. FFA must run the machine, clean up the school and campus. Split the profits 45-55.

N-N-N



A bad storm really put a halt to the joint initiation ceremonies of *Wooster, Smith Valley, Lovelock, Fernley,* and *Mason Valley,* Nevada.

N-N-N

West Virginia FFA President **Ronnie Childs** of *Kingwood* FFA is the third member of his family to have the top post. Brothers Dale and David both served.

N-N-N

Wilmot, South Dakota, Chapter cleaned up the streets in the community at homecoming time.

N-N-N

Alvin Wade of the *Ponce de Leon,* Florida, Chapter was named state champion harmonica player.

N-N-N

Members of the *Evergreen,* Washington, FFA sign an FFA jacket agreement before the purchase of their official jacket. Agreeing to good conduct, good grooming, no smoking.

Tom Umiker and **Rudy Wetherington** won the Florida FFA Demonstration Contest for *Turkey Creek* Chapter. Title was "To Catch a Lady's Eye." Wonder what it was about?

N-N-N

Sand Rock, Alabama, Chapter held a week-long summer officer training camp and planned chapter's activities.

N-N-N

What is your chapter doing to make the FFA meetings interesting and fun?

N-N-N

New signs to welcome travelers to *Wood River,* Nebraska, thanks to FFA.

N-N-N

The September meeting of the *Elgin,* Iowa, Chapter was held on the bus returning from a field trip.

N-N-N

Several chapters sold Christmas trees. *Kerkhoven,* Minnesota, and *Wytheville,* Virginia, are two.

N-N-N

Rose Bud, Arkansas, members gathered black walnuts to sell.

N-N-N

Casa Grande, California, FFA gathers and rolls wire from a nearby feed lot. Then split profit from selling it.

N-N-N

A Parents' Night is being planned by *Shady Spring,* West Virginia, FFA. To involve, inform and entertain.

N-N-N

Members of *Burbank* FFA, San Antonio, Texas, observed tracheotomy on a dog at Brooke Army Medical Center.

N-N-N

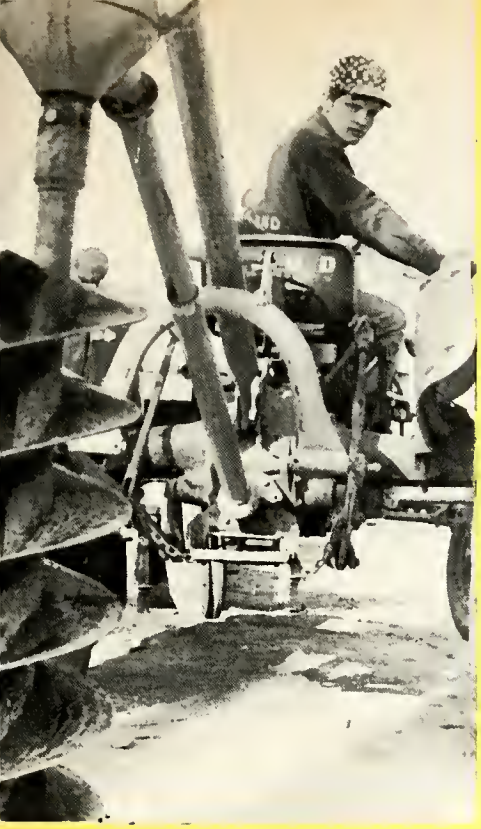
Tonasket, Washington, Chapter arranged free Tonasket apples to be given out at national vo-ag teacher convention in Portland.

N-N-N

Advisors at a session of Ohio FFA camp defeated member teams in basketball and softball divisions. Proved they are not too old yet. May their joints stiffen until next year. From reporter of *Fairview,* Ohio, Chapter.

N-N-N

Every chapter has two or three "hot" projects going. What are they in your chapter?



With this auger Kim has been able to expand his private fencing business.

Fencing them in...

Has led to his own private business.

By Shirley Shepherd

WHO said "Don't fence me in"? Certainly not Kim Gabbard. This Jay County, Indiana, FFA member is building a business for himself by "fencing" in his neighbors.

At the age of 16, Kim was helping his father put up new fences on the family's 103-acre farm near Salamonia when he came up with the idea for a lucrative part-time job. The next year Kim borrowed his dad's fence stretchers, rounded up some odds and ends of used equipment, and went into business for himself.

By word of mouth and a simple, two-line ad in the classified section of the local newspaper, Kim began a fencing business that at the time made him the youngest self-employed businessman in Jay County. Today, he has repaid his father for the original loan and purchased a tractor, power auger, pick-up truck, and a trailer for hauling tools.

Kim also used his fencing business as a project for participating in the Industrial Cooperative Training (ICT) program. Mr. Bob Lyons, his vo-ag instructor, served as his sponsor. Since he is self-employed, permission was required and through special arrangements the program proved worth the effort because Kim was awarded the ICT Distinguished Student award for 1971.

As a senior at Portland High School, where he is vice-president of his FFA chapter, Kim surprised many of his customers when he showed up ready to build fences. "They were amazed to see I was only 17," he explains. "But none of them turned me down."

With occasional help from his younger brother Rick, also an FFA and ICT member, Kim put up 15 miles of fence his first year in business. However, before starting his business Kim checked around carefully to determine average fencing prices and fair labor fees. His biggest problem, though, has been keeping on schedule.

"On one job the farmer wanted about 40 rod of fence with about eight end posts. Then he decided to have more fence built. So far I have set 26 end posts for him—and I'm still there." Jobs like this one, Kim explains, wreck his work schedule. As it is, he rarely has time for extra-curricular activities but does set aside a week each spring to go to Oklahoma as a member of the Portland FFA soil judging team.

Kim says of his business, "It takes a lot of labor, and I mean a lot." But he feels there is a wide-open field for young men. "The average farmer hates to build fence and usually doesn't have the necessary equipment," he notes. With his equipment, Kim can put up fence by himself when his brother is busy with farm chores. "I could work all year without getting any more jobs, I have so many lined up," he says. In fact, Kim has 36 jobs lined up waiting for him.

Before profits enabled him to buy some power equipment, Kim dug post holes by hand with a pair of post-hole diggers. With his new power auger and tractor, he can now set a corner post in minutes. He next plans to purchase a power post driver run by air compressor for driving steel posts.

In addition to fencing, Kim helps his father with the family's custom baling business. Fencing in the mornings when the hay was still wet and baling in the afternoons after it dried out, they put up 15,000 bales of hay during last year.

Kim puts up fences of all kinds—wood, electric, wire, chain link, and barbed wire in addition to temporary fence for turkey farmers. Working steadily, he and his brother can make $100 a day. Right now, he is trying to decide whether to expand his fencing business after graduation or invest his money in a farm.

For Kim, a 1971 Chapter Star Farmer, the grass is plenty green on his side of the fence.

Kim and his younger brother Rick can earn about $100 a day building fence.

Ice Fishing Know-How

With the right equipment, the sport of ice fishing can put some fun into cold winters.

By Russell Tinsley

WHEN someone reminisces about the "good old days," he isn't talking about winter outdoor recreation. It wasn't many years ago that a person living in our colder climates spent the iced-in months inside a heated building and dreamed about sunny Florida.

Not anymore. Thanks to modern technology—thermal underwear, insulated boots, down jackets, handwarmers, and so on—man no longer lets the ice and snow subdue his outdoor activity. With such clothing he suffers no discomforts and with the snowmobile he can travel about where he pleases. This has been a boon to all outdoor recreation generally, and ice fishing specifically. Nowadays some of the best catches of the year are made while angling through a hole chopped in the ice.

Ice fishing continues to gain popularity and the fad has spread far and wide, even to unlikely places like northern California. In some areas of Michigan and Minnesota, among other Midwest states, it isn't unusual to see hundreds of fishermen on a lake during a weekend, a miniature city of shanty huts, tents, sleds, snowmobiles, and even airplanes with skids which land on the frozen surface.

These runny-nosed fishermen, hovering impatiently over holes augered in the tough ice, will haul in everything from crappies, yellow perch, and trout to bluegills and northern pike. But if an observer watches long enough, he'll notice that just a few fishermen seem to catch most of the fish. They are successful because they realize that, despite the time of the year, the basic fundamentals still are the same: knowing where and when to fish and what bait to use.

State law and personal choice will dictate the method and bait. The two most popular methods are the use of tip-ups with natural baits and jigging artificial lures with rod and reel.

A tip-up is a contraption which fits over the hole and suspends the bait at a certain depth. When a fish bites, line spools off freely, permitting the fish to run with the bait. At the same time a flag pops up to alert the fisherman that he's got a taker.

Natural baits such as minnows, worms and grubs also can be fished with rod and reel, but many anglers prefer artificials because of the action involved. Tiny, weighted ice flies are among the more productive fakes. They are jigged up and down with a short ice-fishing jigging rod, which is no more than three feet long. It is easier to control the bait and detect a strike while standing closer to the hole.

Glenn Lau, a veteran guide on Lake Erie, says the common mistake most ice fishermen make is they use too heavy a tackle. Light lines—no more than four pounds test—and light rods make it possible to work the almost weightless flies and to feel the light tap-tap of a bite. When the water is very cold fish often bite very gently. The veteran ice guide improvises his jigging rod from the delicate tip section of an old fly rod. Some of his best catches, he says, are around dock pilings in Erie harbors in water four to eight feet deep.

So the obvious first step is to consult your respective state's laws as to what you can or cannot do. Then inquire of local fishermen and sporting goods dealers, and perhaps read the local newspaper outdoor column, to find at what lake the fish are biting, what baits are being used, and what times of day are producing best. Such information is pretty common knowledge.

But just knowing this much isn't enough. If everything else is letter-perfect, you still can't catch fish unless you put your bait in a spot where fish are present and cooperative. This is the most rudimentary rule of fishing, determining where to drop your hook, yet one that is most often violated.

This is the most basic tip-up used. When the flag raises up it signals a bite.
Nebraska Game Commission Photo

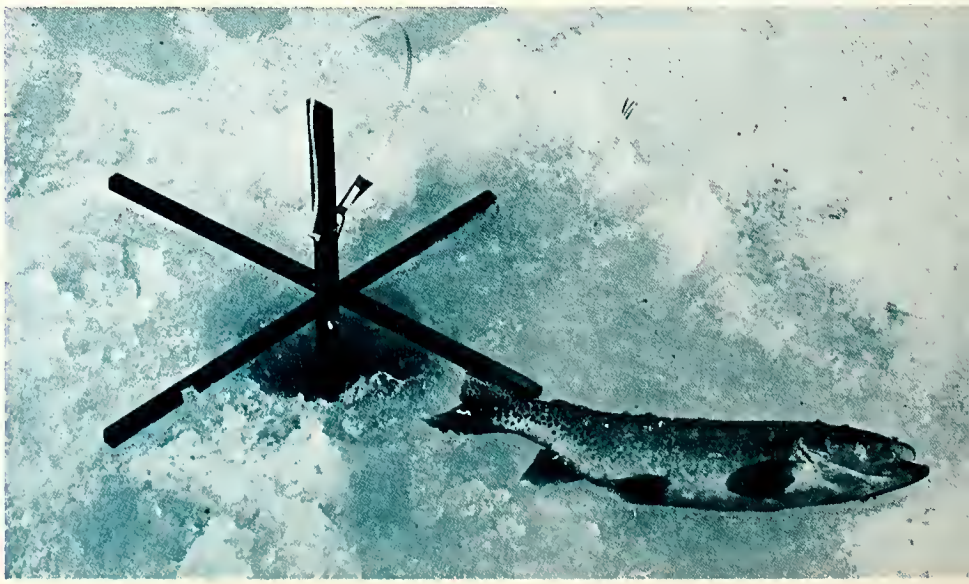


Photo by Author

With a tent a fisherman can get out of the wind and outlast others on the ice.

The inexperienced fisherman is apt to wander onto the ice, pick a random spot, auger a hole, commence fishing. After maybe an hour of inactivity, he concludes the fish are not biting and disgustingly quits.

But while fishing during other seasons, this same angler likely will prospect a spot for about 20 minutes and if by then he has had no success, he moves to another location. If he moves enough and sticks with it long enough he usually will take fish. Persistence is about as important as technique.

The same basic principle should be applied to ice fishing: if one place doesn't produce, find another. There is effort involved in moving, especially if you are using a hand auger, but this is the price you must pay to catch fish. By moving you attempt to establish some sort of "pattern."

Fish frequent much the same areas winter and summer: along submerged ridges, around stumps and weedbeds, over sand bars. The person familiar with a lake has the advantage over a stranger because he knows the whereabouts of these spots. He can systematically move from one spot to another until he determines the depth of water and level of suspension where fish are concentrated.

Should fish be located in 35 feet of water, for instance, the fisherman tries to locate the same depth water every time he moves (An electronic depth-finder will "read" water depth even through ice and many fishermen use this aid.) And fish normally will hold at a certain level.

If as an example you find a school of crappies at 20 feet below the surface even in 35-foot water, you seldom will receive strikes more than a couple of feet either side of this depth. School fish like yellow perch, crappies, and others are easily patterned. Once you determine the depth and type of water they prefer on a certain day, and what bait they are taking, then you are in business.

A friend of mine who lives in upper New York state consistently catches fish on a local lake because he knows where a rocky ridge runs along the lake floor. Atop this ridge the water depth is about eight feet, but on either side it drops abruptly to almost fifteen. By moving along and to either side of the ridge my friend normally can find fish. This spot seldom fails and naturally its location is one of his best-kept secrets.

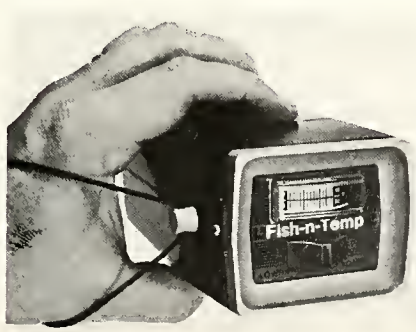
Another man I know, a Nebraska farmer, made quite a reputation as a super fisherman in his hometown last winter. He kept bringing in huge catches of large bluegills and although he never volunteered where he was catching them, everyone assumed it was from a lake just outside the community. Only after the spring thaw did he reveal his secret: he was fishing a farm pond not 300 yards from his backdoor!

He frequently fished the pond during the warm-weather months, but it never occurred to him that it could be equally as productive when iced over. He discovered this quite accidentally when one day he found he had a flat tire on his pickup while he was preparing to head for the local lake. Rather than not going at all, the farmer decided to fish the pond, just to pass time if nothing else.

Since that discovery the central Nebraska resident says winter around his house never has been quite the same.

Temperature Unit

The LTP Fish-N-Temp, a temperature/depth indicator, provides readings up to 100 feet in 15 seconds with a cable marked in one-foot increments. The portable solid-state unit features a printed circuit and a chart showing the preferred temperature ranges for all game fish. It is made by Lowrance Electronics Mfg. Corp., Tulsa, Oklahoma.



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Specializing in veterinary

THE Army Veterinary Corps provides medical support for government owned animals. To meet the increasing need for enlisted personnel trained as assistants in animal care, treatment, and management, the 91-T Veterinary Specialist School was approved in July, 1967.

The veterinary training program, eight weeks in length, is conducted five times a year at the Walter Reed Army Medical Center. To apply for this special training an enlistee can make a special request for the 91-T Veterinary Specialist School with his recruiter upon enlistment. Further information can also be obtained from the Division of Veterinary Medicine, Walter Reed Army Institute of Research, Walter Reed Army Medical Center, Washington, D.C. 20014.

Class instruction concentrates on the military dog, laboratory and research animals, and to a lesser extent large animals. The student learns the basic principles of anatomy, physiology, animal diseases, pharmacology, surgery, laboratory procedures, parasitology, nutrition, and clinical procedures. In so doing, the training prepares the enlisted specialist to render assistance to the veterinarian in the care and handling of military animals.

The educational background of the students ranges from the high school graduate to the college graduate student, who plans to pursue a veterinary career upon completion of service in the military.

Candidates must have normal color perception, good hand-eye coordination and finger dexterity, and a minimum of 9 months service remaining upon graduation from the course. Credit for a high school level course in one of the basic sciences is also required. In addition, applicants must have obtained a standard score of 100 or higher in aptitude area General Testing, and if already in the Army must be grade E5 or below.

The school accommodates approximately 25 students per class. Veterinary trainees attend a 44-hour class week, including weekly exams. To successfully complete the course a minimum grade of 70 percent is required each week.

The military veterinary service is represented in some 20 countries around the world, as well as many veterinary installations in the United States. However, this does not mean that an enlisted veterinary specialist can be found at all veterinary units.

Animal care is just one function within the overall mission of the veterinary service. Assignments for graduates from the school range from veterinary units (dispensaries, hospitals, and other service units) to research and development installations using laboratory animals.

Work at a military veterinary clinic can involve the care and treatment of animals owned by service men, as well as military owned stock. In other locations the veterinary specialist may assist with dog breeding research or work with surgeons using animals in human research studies.

Veterinary technicians learn many lab procedures such as examining slides.

Tomorrow's Careers

Undergraduate enrollment in the College of Agriculture at Arizona University has risen slightly under 6 percent over the last ten years. According to college officials, the increased enrollment is largely due to the growing concern for the improved quality of our environment.

New courses in natural resources recreation, animal health science, and the agricultural internship program are largely responsible. The new programs are, as Dr. Darrel Metcalfe, director of resident instruction says, "training for the world of tomorrow, and pointing to the career opportunities of the future."

The natural resources recreation program in watershed management—including water based recreation specialists, resource planning, interpretation, park management administration, and forest recreation specialists—has attracted 60 majors alone. A single natural resources course has enrolled 65 students from all over the university.

The university's animal pathology program for pre-veterinary started early in the 1930's with one student. This past fall the pre-veterinary program and the new animal health science major attracted approximately 130 students, a third of them women. With the newly expanded program graduates can complete veterinary training, do graduate work in many agricultural fields, and qualify for employment in several agribusinesses.

Summing up the new approaches taking place in other agricultural colleges as well as Arizona, Dr. Stanley Brickler, co-director of the resources recreation major notes, "We are trying to teach an integrated approach of natural resources and the social sciences—man's impact on his environment."

Career Shorts

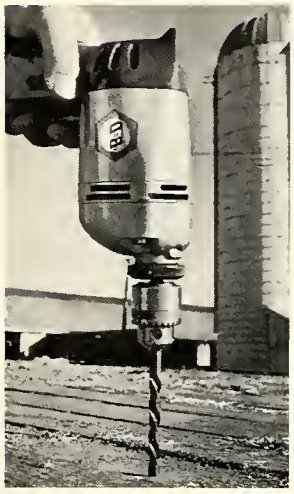
Are you planning on a career in ecology or conservation? By 1980 approximately 1.4 million workers will be needed in fields of recreation and conservation. In addition about twice the number of opportunities as in 1970 will be available in environmental careers, or an expected 2.5 million new jobs.

Agribusiness education at Northeastern Junior College, Sterling, Colorado, correlates salaried on-the-job training with classroom work. The program involves six months of college and six months of on-the-job training for two and a half years. Courses are available in agriculture chemicals, animal sciences, feeds and grains, farm machinery mechanics, and turf management.

"It is clear that the need for agricultural scientists goes beyond the need to provide food, fiber and shelter." says Dr. B. R. Bertramson, the agricultural director of resident instruction, at Washington State University. Figures show that food science and technology—a new department in the college—increased 32 percent; general agriculture showed a 40 percent rise; and forestry and range management went up 43 percent.

Something New

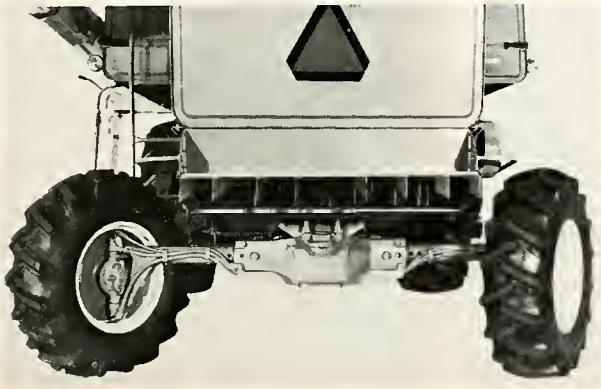
Radio Shack, Fort Worth, Texas, has introduced a 23-channel, two-way radio small enough to fit into glove compartments. The Realistic Mini-Twenty Three comes with push-to-talk mike, mounting bracket, and power cable. It has a lighted modulation dial and channel selector.



The new commercial duty ⅜-inch Scru-Drill by Black & Decker features both screw-driving or drilling action with a twist of the selector collar. The combination 120-volt AC unit has a reversing switch for removal of screws.

In 1972 International Harvester will manufacture a new 4-wheel, drive 175 hp diesel — the 4166 Turbo. The tractor has 8 forward speeds, 4 reverses, and 4 transport speeds. Four-wheel and 2-wheel steering is standard.

Power Rear-Wheel Drive, an industry first, is available as a factory option on John Deere 7700 combines. A control panel toggle switch permits on-the-go engaging or disengaging of the hydraulic motors which fit into the rear-wheel rims and hook into the main lines.



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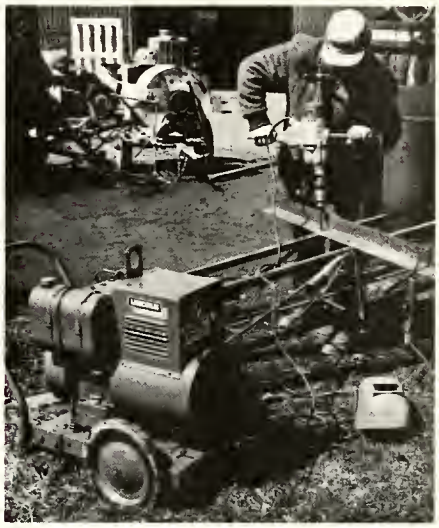

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FFA IN ACTION

National Mechanics Meet

A National Agricultural Mechanics Contest will be held in 1972. Like other national judging contests it will be conducted in conjunction with the National FFA Convention in Kansas City. The contest will be operated by the FFA and is a special project of National FFA Foundation sponsored by the Firestone Tire & Rubber Company.

One three-member team representing each state can compete. Some states already have mechanic contests. Others will probably be introducing them soon.

The National Contest will consist of three phases: (1) a written examination; (2) problem solving; (3) mechanic skills. All personal safety equipment shall be furnished by individual.

Mr. Thomas A. Hoerner, agricultural engineering professor in the Agricultural Education Department at Iowa State University, is Division Superintendent for the contest. Other agricultural education staffers from various universities are assisting in getting the contest off the ground.

Community Recycling

One of the community service projects of the Oregon, Wisconsin, Chapter is a recycling ecology project established and administered by FFA members in cooperation with a local church group. The project involves a lot of time and hard work, according to Community Services Chairman Dick Clark, but the chapter members feel it is worth it.

During the summer the chapter recycled an estimated 78,000 pop and beer cans coming from a local racetrack; and every second and fourth Saturday handled the pick up of recyclable cans, bottles, and paper that area residents brought to the centralized recycling center at the Oregon village garage.

FFA members plan to continue the latter recycling program every other Saturday throughout the year, but the racetrack recycling program was discontinued because of the costs involved; the huge amount of time members had to spend sorting out the cans; and the FFA's recycling outlet couldn't handle such a large volume of cans anymore.

According to FFA President Bob Uphoff, "This sort of project can be very beneficial to the FFA because of the favorable publicity it brings to members and because it allows students to get involved in a project on ecology instead of just talking about it. Besides, too much farm land is already being taken up by dumps and landfills and our resources of both land and raw materials are dwindling." *(Bill Rockwell)*

He Bagged A Moose

The moose is Wyoming's largest big game animal. When full-grown it can weigh 900 pounds and is sometimes six feet tall at the shoulders.

Bruce Samson, president of Wind River, Wyoming, Chapter, bagged a trophy moose during the 1971 hunting season in Wyoming.

The big animal was killed in Wyoming's Teton wilderness Pacific Creek area and then cut in six sections. It was packed out on three pack horses for a distance of about 10 miles. The big animal's rack had a near record spread of 44 inches.

Bruce is a senior in FFA, and has never had the opportunity to live on a farm.

He worked in a farm placement program for a local farmer last summer, learning many skills in machinery operation, crop planting, and harvest. For a production project he raises purebred Duroc hogs on some vacant land near his home.

This year he judged on the chapter livestock team and the chapter dairy team which placed second in the state FFA contests.

He attended a national leadership conference last July, and besides serving as chapter president, he is president of his senior class and an active member of the football, basketball, and track teams. *(Terry Slack, Advisor)*

A Plot for Learning

The Homerville, Georgia, Chapter leases a 10½-acre plot from the Union Camp Corporation. They use the plot as a demonstration area to carry out various forestry practices such as prescribed burning, clear cutting, and planting. The firm's conservation field representative serves as a consultant to the chapter.

The chapter owns a lot of equipment used in both the regular forestry program and the vo-ag pulpwood production class. They have dibbles, axes, tree injectors, a chain saw, fire rakes, marking guns, a bush cutter, hard hats, and an altimeter.

The members clear cut about one-half acre a year from which they cut 16.97 cords this year. Money made from the sale of the timber goes toward buying or replacing equipment for the forestry operation. They have made and painted new signs for the forestry

Cleaning up a local race track meant hard work for Oregon, Wisconsin, FFA.

President of Wind River, Wyoming, FFA shows a trophy moose he got in 1971.

Homerville, Georgia, FFA rents a plot for carrying out forestry activities.

plot, and have plowed firebreaks. The chapter also sends a team to the area forestry field day each year, and they usually come away with a big share of the prize money. *(Eleanor Gilmer)*

Trees in Coal Country

The Tri-Valley, Pennsylvania, Chapter has participated in two separate tree planting projects in recent years.

In 1963 they joined in a study with area farmer Miles Fry, who was interested in growing hybrid poplar trees. He particularly wanted to see whether they would grow on the anthracite strip mine banks in Schuylkill County.

The FFA members helped him plant the hybrids on steep slopes with loose shaley soil. He furnished cuttings, rooted cuttings, or one-year trees.

The chapter's other planting project was in cooperation with the Pennsylvania Power and Light Company. The main purpose was to plant trees along highways and hide some unpleasant scenery caused by strip mining.

Since beginning the project with the power company in 1965, the chapter has planted over 15,000 pine seedlings—3,000 in 1971. Community groups and social clubs have also cooperated. *(LeRoy Smeltz, Advisor)*

Sweetheart Cape

Every year the Kansas FFA Sweetheart is donned with a specially made cape during sweetheart activities at the state convention. The cape, made of blue velvet with a gold lining, has the letters "FFA" on the right collar and the emblem on the left.

The cape was designed and handmade by Mrs. Jean Rooney, a former FFA office secretary of the Kansas Association. Mrs. Rooney, of Richland, Kansas, is currently on the staff of the Kansas Income Tax Division.

"The ideal situation would be to give the cape to each sweetheart for her permanent possession," says Earl Wineinger, assistant state supervisor. "But due to the difficulty in getting such an item, the cape is passed on to each new sweetheart."

Kansas FFA Sweetheart Mary Kiefer wears a special cape at all functions.

Plan for FFA WEEK

FFA efforts at chapter, state, and national levels in 1972 will rally around the theme "Youth With A Purpose."

Kickoff point for using this theme for most local chapters will be during National FFA WEEK—February 19-26. This theme was already introduced at the past National FFA Convention.

The purpose of a national FFA theme and particularly a National FFA WEEK celebration is to provide chapters an opportunity to get additional publicity or public awareness for their vocational agriculture and FFA programs.

Every week can be an FFA WEEK and hopefully chapters will continue throughout the year to stress their involvement in agriculture, involvement in leadership training, involvement in working together cooperatively, and involvement in preparing for future careers. The WEEK comes in February around George Washington's traditional birthday celebration.

Promotional materials have been developed by *The National FUTURE FARMER* to aid chapters in conducting effective programs during the WEEK. They are available from the FFA Supply Service.

FFA WEEK materials include the traditional outdoor billboards, posters, placemats, program leaflets, TV slides, seals, pocket notebooks, envelope stuffers, vinyl litterbags, and bumper strips.

Three *new* items for 1972 are *name badges,* a do-it-yourself *bulletin board kit,* and a 7″ album of public service *radio spot announcements.*

Some items do not have a date or mention of FFA WEEK and they are particularly useful all year.

An order brochure and order forms were mailed to all local chapters. A How-To-Do-It and Idea Packet was included. The packet gives detailed information about the best way to use WEEK materials and get publicity. It has sections on press, radio, TV, sample scripts, and other ideas. It also includes ideas that have worked for other chapters. PLUS a new clip sheet for use in newspapers.

Send any requests for further information, requests if your chapter has not received ordering materials, or any ideas your chapter would like to share to: FFA WEEK Activities, *The National FUTURE FARMER,* P.O. Box 15130, Alexandria, Virginia 22309.

Lending A Hand

The FFA chapter of the Adams Central High School, Monroe, Indiana, decided to do more than talk about helping others.

On Thanksgiving Day the chapter distributed baskets of food to the needy in the area. This was the twentieth year for the project.

Each basket contained the basic Thanksgiving foods including a turkey, a couple chickens or other meat, and many other goodies. Baskets went to 28 families.

The names of the families were obtained from county records and from various ministers. Two or three FFA members call on each family to deliver the basket. *(Simon Schwartz)*

New Collegiate Chapter

The first collegiate FFA chapter in South Dakota was recently organized by a group of interested agriculture marketing and management students at the Mitchell Area Vocational Technical School.

The second year class got the ball rolling last year and worked during the summer, writing and forming the constitution and bylaws. After school started in September all interested students in the two-year program approved the ideas, constitution, program of activities and elected officers. The new chapter has 37 members.

The first officers are: Rick Vallery of Nisland, president; Earl Zeeb of Menno, vice president; Milo Schaeffer of Olivet, secretary; Lanning Edwards of Letcher, treasurer; Stephen Sulzbach of Vale, reporter, and Mike Kayl of Gregory, sentinel.

Pruning Grapevines

Pruning grapevines for area farmers is an annual fund raising event for the Modesto, California, Chapter. This event gets all the chapter members out in the field working together as a well organized chapter.

The date for pruning is usually one of the first days of Christmas vacation and consists of eight hours of work. A warm lunch is prepared by the chapter for all the hard working members.

(Continued on Next Page)

FFA in Action

(Continued from Page 35)

If very many vines are left unpruned at the end of the day, members are allowed to come back to prune for the rest of the vacation as a way to earn some personal income.

This event not only makes money for the chapter, it gives members good practice at pruning grapevines. The better pruners try out for the chapter grapevine pruning judging team. *(Paul Wenger)*

Modesto, California, FFA offers grape pruning teams for hire in their area.

Teacher of the Year

An FFA chapter advisor and teacher of vocational agriculture has been named "Teacher of the Year" in West Virginia. This honor came to Richard J. Glass, Jr., advisor at Valley Senior High School, Masontown.

Mr. Glass began his teaching career in 1949 at Woodrow Wilson High School, Beckley. He then moved to Charles Town and taught from 1953-56; worked for the West Virginia University Extension Service from 1956-58, then accepted the position at Masontown.

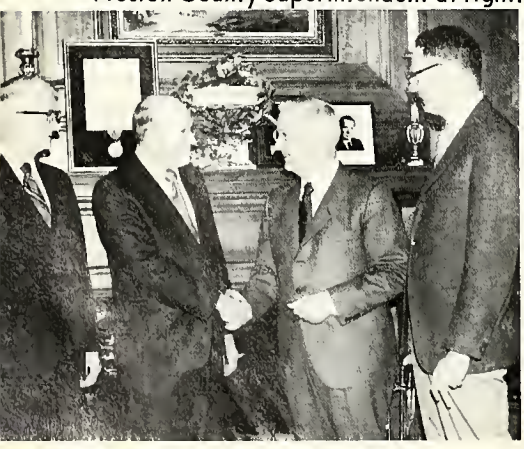
During the time Mr. Glass has been an FFA advisor, FFA members under his guidance have the following achievements: 6 American Farmers, 60 State Farmers, 14 state foundation award winners, 2 North Atlantic Regional award winners, and 13 national judging teams in livestock, dairy, poultry, dairy products, and meat products.

When told of his award, Mr. Glass replied, "The other fellows get the credit, too. This is a cooperative effort in our county. Any honors must go to all the vo-ag teachers now and in the past, and to the many others in our expanding program."

He described his philosophy of teaching as, "to help each individual day school student to reach his highest educational attainment; to help each adult class member to improve his educational, social, and economic situation."

Mr. Glass is president of the West Virginia Vocational Agricultural Teachers Association. He is now in competition for the National Teacher of the Year award.

Governor Arch Moore, third from right, congratulates Richard Glass, the West Virginia Teacher of the Year. State FFA Advisor Carl Thomas is on left and the Preston County Superintendent at right.



Alumni Is Growing

Local FFA Alumni affiliates are springing up across the country. The first local FFA Alumni was chartered at Miami East High School, Casstown, Ohio. Kansas State University, in Manhattan, was the second local affiliate organized. Other states with local affiliates include Pennsylvania, Missouri, Louisiana, Wyoming, Tennessee, Texas, Alabama, West Virginia, Connecticut, and Nebraska.

Nine states chartered FFA Alumni associations at the National FFA Convention. They were: Kansas, Louisiana, Indiana, Ohio, Oregon, Texas, Oklahoma, Wyoming, and Tennessee.

Write your chapter's name in history and help it be a leader in your state by chartering a local FFA Alumni affiliate.

Gifts to Youth Camp

The Nebraska FFA Association matched a $10,000 gift by the Ak-Sar-Ben Agricultural Youth Foundation to the Nebraska Youth Leadership Development Center at Aurora, Nebraska. They had already contributed $10,000 for building the center and FFA matched it also. The camp serves the Nebraska FFA Association.

The money is being used for the construction and furnishing of a cottage on the 27-acre site located on the east edge of Aurora.

In addition to serving the FFA, the center will be open to all youth groups in the state and will also be available for adult educational meetings.

Officials and Queen of the Ak-Sar-Ben Agricultural Youth Foundation present Nebraska President, Ed Dubas, $10,000 for the state youth leadership camp.

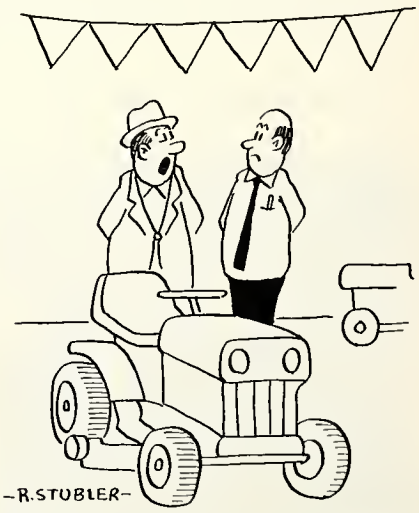
When completed, the center will include six cottages and a bathhouse, recreation areas will be developed, and an existing swimming pool and meeting hall will be remodeled. Each cottage will include bath facilities, heating, and air-conditioning for 40 youths and four counselors. Construction work is underway and the center was utilized last summer.

Breaking Horses

Tom Block of Morro Bay FFA in California has a different spare time project. He breaks horses for $150.00 per month which includes board. A neighbor taught him how to break horses and he has been doing it for six years now.

He has handled 12 horses in his spare time. Most of the horses he works with are from three to five years

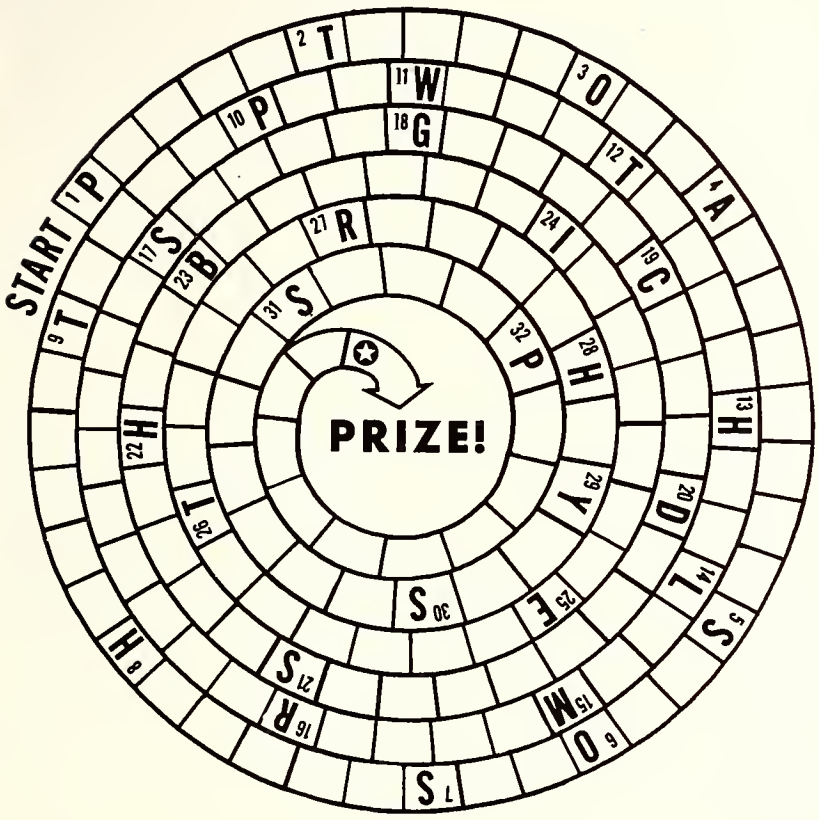
(Continued on Page 38)



"What do you mean it has an automatic starter . . .? You still have to press a button, don't you?"

Plowing In Circles

By Edmund A. Braun



IF you know your fields, you'll whiz around this puzzle because it's based on farm life, produce, and equipment. The last letter of each word is the first letter of the next word. Solve it completely without getting dizzy and you've "plowed" the field successfully.

1. A Brazilian herb that's a big crop in the southern states.
2. South American perennial of the nightshade family; a love apple.
3. Tall annual of the mallow family.
4. Tender shoots of this plant are used as food.
5. Structure for packing away fodder.
6. Grain of a cereal grass.
7. Popeye's favorite food.
8. Gather a crop of fruits or grain.
9. Thick edible root on a plant of the mustard family.
10. To till the soil.
11. World's second most widely used grain.
12. To beat the grain from its stalks.
13. A crop-beater that can kill.
14. Type of friable soil.
15. To be a good one takes pull.
16. It's usually a profit crop although many people get 'em free.
17. Kind of a bean.
18. Stronger than chlorophyll.
19. A type of beet.
20. Variety of apple that is . . .
21. Fruit from a plant of the gourd family.
22. A seed plant which is more or less succulent.
23. Hardy, non-heading type of green cauliflower.
24. To supply land with needed water artificially.
25. Large, smooth, purple ovoid fruit; also a hen house.
26. Self-propelled vehicle that displaces the work horse.
27. Pungent fleshy root of a mustard family plant.
28. Mowed and cured for fodder.
29. Sweet potatoes down south.
30. Asiatic legumes which yield oil, meal, flour.
31. Natural-born wool grower.
32. A farm south of the Mason-Dixon line.

(Solution on Page 39)

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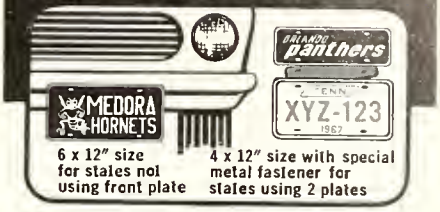

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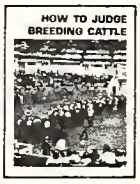

☐ **How to Judge Breeding Cattle**
Shows points to look for and faults to avoid when selecting bulls or heifers.

☐ **Beef Cows—For More Farm Profit**
Cowmen and bankers tell how a beef herd can increase farm profits.

American Angus Association
3201 Frederick Blvd. St. Joseph, Mo. 64501
Name
Street-RFD
City
State Zip
☐ Check here if you are an adult youth leader.

FFA in Action

(Continued from Page 36)

old. He has two acres of corraled area with hills behind his place to ride.

Tom has a regular procedure for breaking a horse. One of the early steps is to tie the front leg up to prevent the colt from striking the trainer. Then he uses an old "gunny" sack and lights rubs all over the horse's body to gentle him. This is called "sacking them out."

Usually the colts are ridden until they settle down and are not likely to buck for their owners. Tom's philosophy in training horses is to do your best on all colts and don't quit on one because he's slow or clumsy. *(Vicki Cotton, Reporter)*

Grange Scholarships

Solano County Pomona Grange #30 presented its annual scholarship awards to two members of the Dixon, California, FFA Chapter.

All seniors in FFA in the county are in competition for the awards of $100 and $50.

Pomona Master Richard Williamson presented the first place to Tony Borchard, whose project in the last two years was the use of 40 acres of land, selling the crop of milo in his junior year and safflower in his senior year.

The second place award went to Mike Hennagin, whose project recently has involved learning to use all the equipment and developing his skills for land leveling.

Unified Leadership

The Holdenville, Oklahoma, Chapter joined forces with their local FHA chapter to sponsor a leadership conference for area FFA and FHA chapters and adults of the community.

Presiding at the conference were state FFA officers and some of the state FHA officers. Highlight of the evening was a speech by Oklahoma FFA President Jerry Goolsby. Musical entertainment and emblem presentations were also made by the state officers.

Rap sessions provided an opportunity for the members to discuss their mutual vocational objectives. *(Art Paylor, Reporter)*

State FFA and FHA officers attended an area leadership meeting sponsored by the Holdenville, Oklahoma, Chapter.

Holding A Crop Show

The Jefferson, Wisconsin, Chapter sponsored its first crop and forage show for the 110 members. The show included ear corn classes for different

(Continued on Page 40)

I'll Never Forget . . .

The winners of the "Most Unforgettable FFA Experience" are:

First Place, $10.00

It all started with a little horse play, with some magazines our instructor took away from another ag student. I thought I would be smart and sneak up behind him and take the magazines. But when I was just about ready to take them, he turned and saw me. I ran back to my chair. He walked slowly to the chair where I was sitting. Then wammo! Those magazines came smashing down on my head. That's when I started thinking what I would get out of the FFA. I figured not very much if I kept going the way I was. So I started going to judging contests, becoming involved in our chapter's activities, and building on my leadership abilities.

Now I am in my last year of high school. I look back at those past three and a half years and all of the judging teams and individual placings; proficiency awards I got with my farming program; serving as chapter secretary; and now as chapter president.

Yes, I have come a long way since those magazines hit me on the head. But I have not reached my goals and keep striving to reach them all because of the unforgettable experience that made me think.

Tim Lipetzky
Clements, Minnesota

Two Second Places, $5.00 Each

My most unforgettable experience was last year when I was the only black president of any club on the campus.

Our chapter is a rather young and unpopular one; or rather it was unpopular. When I was elected president, winning by three votes, the student body seemed to take unusual notice. After I became aware of this, I tried to make every move of mine count, which meant I had to "think" more. This is one quality the FFA has instilled in me . . . thoroughness. A quality I find very useful.

Actually the experience lasted the entire year during which I acquired the nickname "Pres." I wanted to make everyone aware of the advantages in our club. I brought FFA into conversations, encouraged members to purchase jackets, and encouraged members to represent our club in school activities. In all, the year was one of feeling my way and learning from mistakes. Advice helps, but experience is incomparable. Last year I learned from experience and am proud to say, even though I've done a lot of other things, I'll never forget the year '70-'71.

Willard Smith, Jr.
Clermont, Florida

I was a Greenhand last year and was supposed to enter the Creed Contest. The night of the sub-district contest I was so nervous when we arrived I was shaking with fright! I knew the Creed except didn't have guts to recite it before an audience.

Everyone in the contest picked a number out of a hat. We were told that the number we picked would be the order in which we recited the Creed. I happened to get a blank piece of paper which meant that I would be last. At first, I figured this would give me time to unwind. It turned out that I just became more nervous everytime a student would go on stage.

I had to wait about two hours before it was finally my turn. They called me in but I was just petrified!

I went on stage very nervous and did the first and second paragraphs perfectly. Then I did the fifth, fourth, and third paragraphs in that order. I didn't do the best job at the contest, but everyone had a good laugh.

Curt Hartley
Oakville, Washington

"Mother-r-r-r. . . . May I go outside?"

El Cajon member Don Brooks prepares the land which will be used in dryland crop production program by six FFA members.

Interim Land Use

RANCHO San Diego, a planned community in California, has granted the interim use of 230 of its 6,000 acres to the El Cajon Valley FFA Chapter for educational project use by members.

In announcing the temporary land-use program, Mr. Leonard Graysen, vice president and chief executive officer of the project said, "We are making this land available to these young people to assist them in building their skills learned through the vocational agriculture courses at El Cajon Valley High School."

Nine FFA members will be working on two separate projects. According to Mr. Glen Casey, vocational agriculture instructor at the school, this area will provide an excellent experience in dry farming.

The first involves the preparation, planting, growing, and harvesting of oats and alfalfa. The site is located near a new recreational site called Cottonwood Lake.

The second project consists of the care, maintenance, and harvesting of 30 acres of oranges from an existing orchard at Rancho San Diego.

Currently participating in the dry farming project are Don Brooks, Vic Varvel, Bob Huls, Chuck Shull, Dick Wilson, and Dennis Wilson. The grove will be tended by Kim Giblin, Jan Chamberlin, and Andy Wimberly.

The new, master-planned community of Rancho San Diego is now constructing its first residential area, Sweetwater Village. Located east of downtown San Diego, the new community will eventually feature a blend of shelter types, employment opportunity centers, educational facilities, and recreational areas.

"Rancho San Diego's open spaces offer students an opportunity to work the land on a scale that allows maximum use of their skills." says Mr. Graysen. "Rancho San Diego is located just 12 miles from downtown San Diego and within ten minutes driving time of the high school. This certainly facilitates transportation to sites and instructor supervision time."

Summing up the cooperative venture, Mr. Graysen says, "We hope that the acreage involved will prove to be a good learning ground for the participating students." There are currently 115 members in the local FFA chapter which was founded in 1930 at Grossmont Union High School and later moved to El Cajon in 1953.

Plowing in Circles

(Solution for Page 37)

1. PeanuT
2. TomatO
3. OkrA
4. AsparaguS
5. SilO
6. OatS
7. SpinacH
8. HarvesT
9. TurniP
10. PloW
11. WheaT
12. ThresH
13. HaiL
14. LoaM
15. MilkeR
16. RaspberrieS
17. StrinG
18. GarliC
19. CharD
20. DeliciouS
21. SquasH
22. HerB
23. BroccoII
24. IrrigatE
25. EggplanT
26. TractoR
27. RadisH
28. HaY
29. YamS
30. SoybeanS
31. SheeP
32. Plantation

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Two weeks old	$ 55.00	Two weeks old	$ 65.00
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Six weeks old	75.00	Six weeks old	85.00
Eight weeks old	85.00	Eight weeks old	95.00
Ten weeks old	100.00	Ten weeks old	105.00
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Ten weeks old	105.00
12 to 14 weeks old	125.00

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1. Date of filing: October 13, 1971.

2. Title of publication: The National FUTURE FARMER.

3. Frequency of issue: Bimonthly.

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5. Location of the headquarters or general business offices of the publishers: National FFA Center, 6630 Mt. Vernon Highway, Alexandria, Virginia 22309.

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8. None.

9. The purpose, function, and nonprofit status of this organization and the exempt status for federal tax purposes have not chaaged during preceding 12 months.

10. Extent and nature of circulation:

	Average No. Copies Each Issue During Last 12 Mo.	Single Issue Nearest To Filing Date
A. Total number copies printed	458,101	447,500
B. Paid circulation		
1. Sales through dealera and carriers, street vendors, and other sales	None	None
2. Mail subscriptions	453,393	441,712
C. Total paid subscriptions	453,393	441,712
D. Free distribution by mail, carriers, or other means		
1. Samples, complimentary and other free copies	1,882	2,208
2. Copies distributed to news agents, but not sold	None	None
E. Total distribution	455,275	443,920
F. Office use, left-over, unaccounted spoiled after printing	2,826	3,580
G. Total	458,101	447,500

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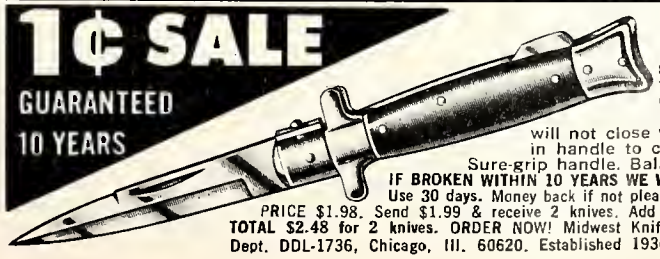

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FFA in Action

(Continued from Page 38)

maturity dates, shell corn, soybeans, oats, and high moisture corn.

In the forage division, classes consisted of corn silage, hay silage, haylage, and dry samples of alfalfa hay and mixed hay—both first and second crop cuttings.

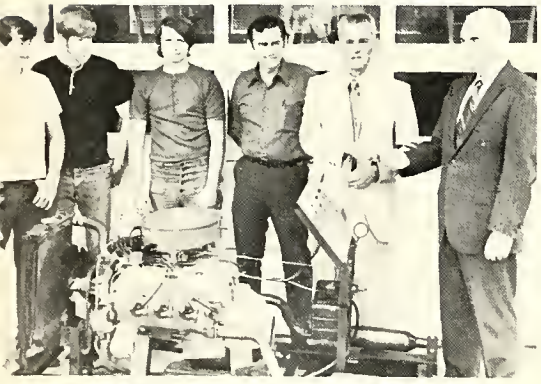
Displays and advertising were set up by agribusiness companies such as hybrid seed corn dealers, fertilizer companies, herbicide and insecticide companies, and grain storage companies.

The show attracted 188 entries and plans are to make it an annual event with more publicity. All FFA members in the county and area farmers were invited to enter. Ribbons and trophies were presented to winners by the Jefferson FFA. Judges for the show were members of the University of Wisconsin staff.

If any chapter is interested in establishing a similar show the Jefferson Chapter is willing to send the information on samples and different divisions. *(W. W. Larson, Advisor)*

Engine to School

Advisor McDermott, right, accepts keys for a 289 Ford engine from the dealer. Westerville, Ohio, members rebuilt it.



Buying Auction Steers

Cattlemen in Rockwell County, Texas, have developed an efficient and entertaining system of getting the best possiible "club" steers for members.

Gary Lee, in camouflage hat, loads the calf he purchased at the auction.

Steers pre-selected for fitness by veteran cattlemen prior to the day are sold at auction. Only eligible bidders are FFA and 4-H members.

The annual sale is an idea that saves time and effort and gets the good cattle to young cattlemen. The sale is a project of the Rockwell County Cattle Raisers Association. Their president Roy Hance says "consignors show their calves only one time to the screening committee."

Consignors appreciate that plus they learn how their calves develop. Young buyers submit reports of gain and grade of carcass.

Obviously FFA members know they're getting calves of the quality, age, and breeding necessary for a good feeding project.

Free for the Taking

In order to obtain building materials for the newly acquired school farm, the Fillmore, California, FFA Chapter undertook the job of tearing down the unloading platform that is attached to the local depot.

The platform had been condemned as unsafe, but there was plenty of good lumber and timbers left in the structure. So the local chapter was able to obtain the material merely for dismantling the platform.

Most of the material is 2 x 12's and railroad ties which will be used on the school farm to construct fences, pens, corrals, and loading chutes.

The farm is a new acquisition for the Fillmore Chapter. It consists of 40 acres of open land on which the chapter plans to construct facilities for members' projects as well as having crop and grazing land for livestock.

"Only one out of ten free throws, Baxter. What happened on the one?"

Unusual Project

Johnny Holden, Artesia, New Mexico, Chapter had an unusual program. Along with breeding beef cattle, Johnny trapped and sold 87 furs bringing in a net profit of $330.

Animals trapped included foxes, ringtails, bobcat, badgers and coons. After being caught the animals are skinned, stretched on wooden stretchers, dried, peeled and the hair combed. Afterwards the animals are taken from the stretchers, packed, and sent to fur buying companiies.

Receives French Honor

Lennie Gamage, left, manager of FFA International Activities is presented the "Chevalier du Merite Agricole" for his service to French agriculture.

Calendar of Events

January 24-27—Board of Directors and National Officers Meeting, Olde Colony, Alexandria, Virginia.
January 31-March 6—National Officer Tour
February 19-26—National FFA WEEK
March 6-9—National FFA Seminar, Olde Colony, Alexandria, Virginia

National FFA Conferences

Washington, D.C.—Alexandria, Virginia
June 19-24, June 26-July 1, July 10-15, July 17-22—Chapter Representatives
July 23-29—State Presidents

Regional Leadership Conferences

National FFA Center, Alexandria, Virginia
January 21-23—State Officers.

State FFA Conventions

March 17-18—Rhode Island
March 22-24—Delaware
March 22-24—Michigan
March 22-24—Oregon
March 23-25—Wyoming
March 24-25—Utah
March 28-29—Massachusetts
March 30-April 2—Idaho
April 3-5—Hawaii
April 5-9—Montana
April 13-15—Nebraska
April 16-18—South Dakota
April 19-21—Oklahoma
April 20-21—Missouri
April 20-22—Iowa
April 28-29—Ohio
April 30-May 2—Minnesota

State conventions held later will appear in future issues.

This maroon and black on white Panhandle Slim shirt is available with short or long sleeves. The style coordinates with nine solid color, double knit jeans.

Bailey Hat is celebrating its 50th anniversary this spring with new styling in their U-Rollit line of straw hats—including this bullrider shape and a hand-creasable open crown style. Both hats retail for $6.95.

Spring Wear Roundup

Wrangler's dress slacks, featuring modified flares and banded waist, come in plain and fancy weave. Available in five colors, the slacks retail for about $11.00.

Included in Pioneer Wear's spring line is a short jacket made of "wild game" leather (beaver and fawn) or carbetta. It has side pockets, two breast pocket flaps, a tapered waist, button closure, and is rayon lined.

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HAVE YOU HEARD THIS ONE

Sue: *"Did you get hurt while you were on the football team?"*

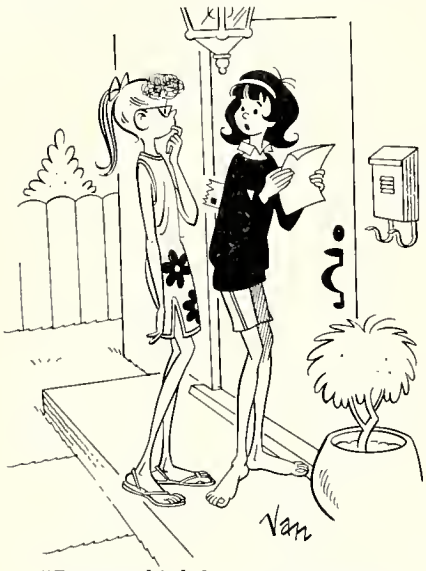
Athlete: *"No, it was while the football team was on me."*

Brenda Pearson
Five Point, Alabama

Mom to Dad: *"Have you noticed the latest thing in boy's clothes?"*

Dad: *"Yes, girls."*

Brenda Adkisson
O'Brien, Texas



"Do you think I can trust Reggie? All his love letters to me are mimeographed."

"Well, you know how he always brags on how big of a fish he caught? Finally he got to where no one would believe him. So, he brought a pair of scales into town and weighed all fish he caught in front of witnesses. One day Doc Gilbert borrowed Bill's scales to weigh a newborn baby, and it weighed 52 pounds!"

Larry West
Sevierville, Tennessee

Peg: *"Some people thirst after fame, some after knowledge, and some after money."*

Meg: *"I know something they all thirst after."*

Peg: *"What's that?"*

Meg: *"Salted peanuts."*

Klaryce Brown
Troup, Texas

FFA JOKE BOOK

A collection of the escapades and antics of one of FFA's funniest members, "Charlie, the Greenhand." Plus other jokes that have appeared in *The National FUTURE FARMER*.

For your copy, send 50 cents with your name and address to: Joke Book, *The National FUTURE FARMER*, P. O. Box 15130, Alexandria, Virginia 22309.

Little boy in bank: *"Did someone lose a roll of bills with a rubber band around it?"*

Several people: *"I did!" "I did!"*

Little boy in bank: *"Well, I just found the rubber band."*

Karen Sedivy
Verdigre, Nebraska

After a teacher had told her class, *"Now don't copy what other people write, simply write what's in you,"* one little boy submitted this:

"Liver, veins, heart, stomach, 1 pear, 2 eggs, 1 cup cake, and a cup of milk."

Larry Kirsch
Stratford, Wisconsin

Grandpa was sleepin' one night and two mosquitoes landed on the end of his bed. One said to the other, *"Should we eat him here or take him back to the swamp?"*

The second one said, *"We had better eat him here because if we take him back to the swamp the big ones will take him away from us!"*

Clay Lunsford
Creswell, Oregon

Father (report card in hand): *"Son, it's too bad they don't give a grade for courage. You would get an "A" for bringing this report card home."*

Charles Miller
West Jefferson, North Carolina

Office Receptionist: *"Mr. Green's busy right now. Could you call back at half-time and he could spare a few seconds then."*

Mike West
Conway, Arkansas

Men who are afraid of being ruined by success should get a job with the weather bureau.

Larry Krueger
Temple, Texas

Lost Tourist: *"Excuse me, could you tell me how to get to Carnegie Hall?"*

Old Man: *"Practice, Practice!"*

Judy Faulk
Nakina, North Carolina

City Boy: *"Oh, what a funny looking cow. But why doesn't it have horns?"*

Country Boy: *"There are many reasons why a cow may not have horns. Some grow horns late in life. Others have been dehorned. Some breeds are not supposed to have horns. This cow does not have horns for another reason, however. It's a horse!"*

John Anderson
New Richmond, Wisconsin

Reporter for school paper: *"What shall I say about all those blondes who screamed and yelled when the Beatles showed up?"*

Editor: *"Say the bleachers went wild!"*

Darlene Spears
Jasper, Alabama

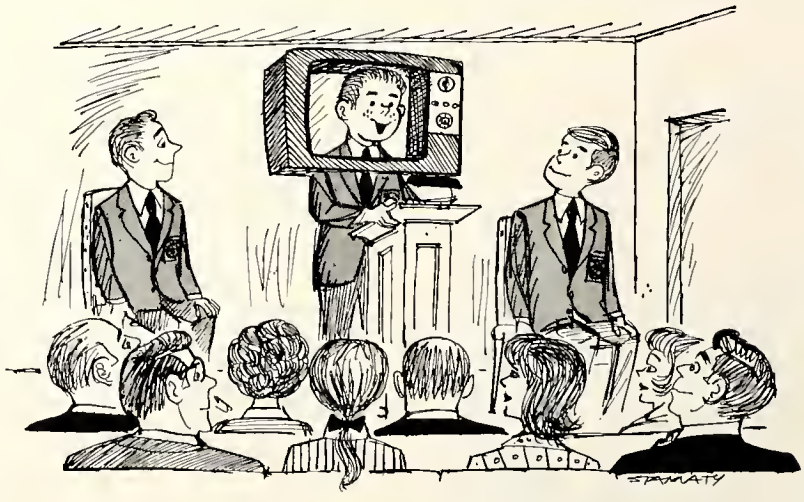
Bob: *"Although I get 60's on my report card, my mother thinks that I'm very bright."*

Joe: *"Just how do you know she thinks that way about you?"*

Bob: *"She calls me "son" every day."*

Jeff Rhinehardt
Marydel, Delaware

Charlie, the Greenhand



"I know many of you usually watch TV at this hour. . . ."

The National FUTURE FARMER *will pay $1.00 for each joke selected for publication on this page. Jokes must be submitted on post cards addressed to the National* FUTURE FARMER, *Alexandria, Virginia 22309. In case of duplication, payment will be made for the first one received. Contributions cannot be acknowledged or returned.*

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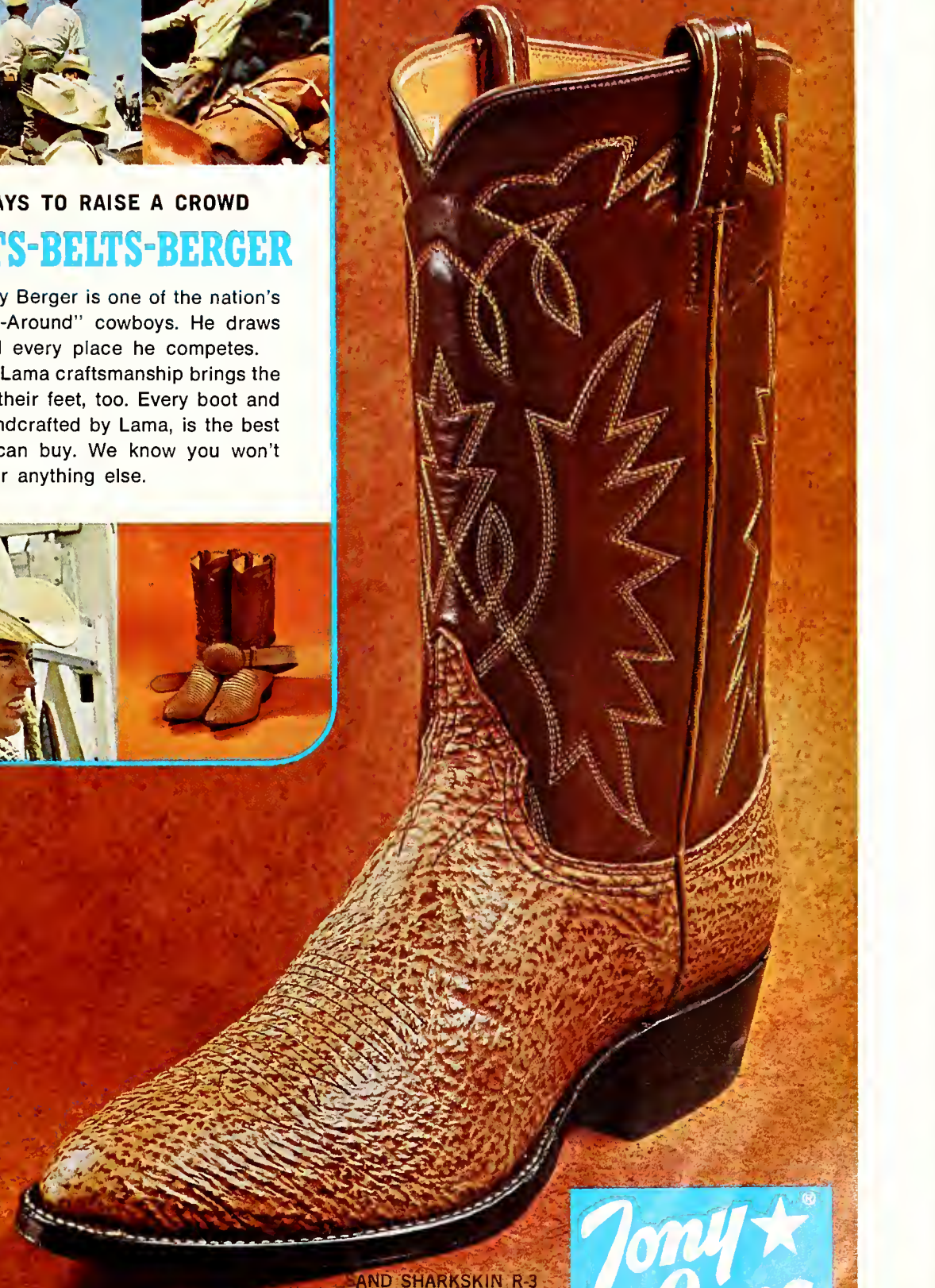

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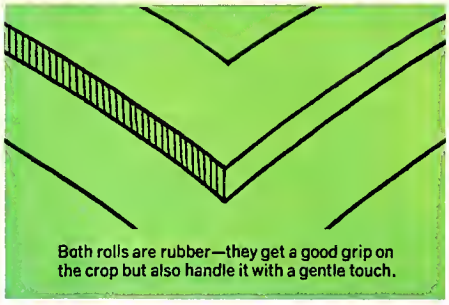

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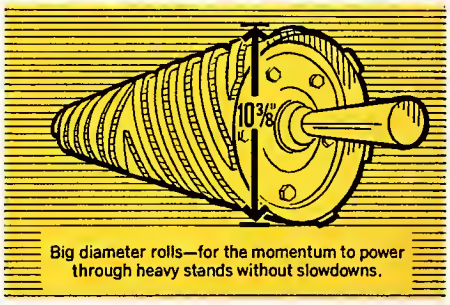

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Shouldn't you pay a call on your New Holland dealer before getting all wrapped up in this year's haying?

Remember, if it isn't New Holland, it isn't a genuine Haybine.

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